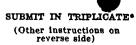
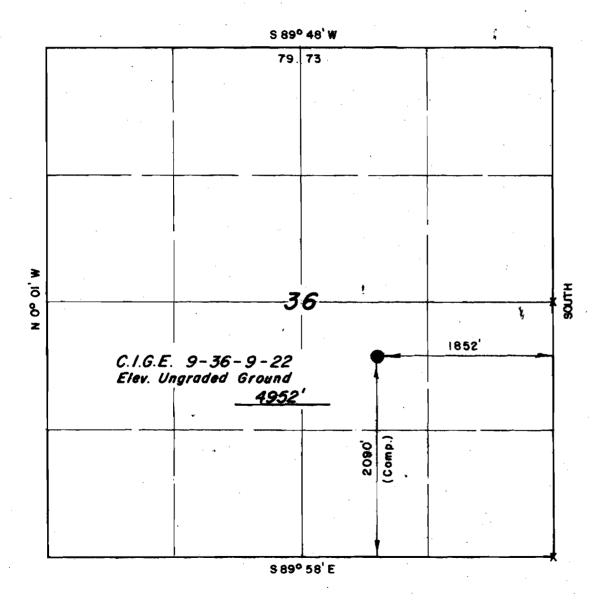
FILE NOTATIONS				
Catered in NID Pile	•••••	Checked by Chief		
Location Map Pinned		Approval Letter	15 . • • • • • • • • • • • • • • • • • • •	
Card Indexed	• • • • • • • • • • • • • • • • • • • •	Disapproval Lette	er - Îlan - Company	
COMPLETION DATA:				
Date Well Completed	9-5-18	Location Inspected		
OW WW TA.	****	Bond released		
GW OS PA.		State or Fee Lan	id	
	LOGS FILED		and the second	
Driller's Log	· · ·			
Electric Logs (No.)				<b>₹</b>
E I BRC Sonie GR		and the second s	da	
CBLog CCLog	and the second of the second o			
	100 pg 2			
	te furst	and intil	Mr 11/1	172
L	wyon	M NOTE CO		
			-	



# THE STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL & GAS CONSERVATION						5. LEASE DESIGNATION	N AND BERIAL NO.	
						ML - 22650		
APPLICATION	N FOR PERMIT	O DRILL,	DEEP	EN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTI	EE OR TRIBE NAME	
1a. TYPE OF WORK		DEEDENI	<u></u>	DI LIC DA	-L/ [	N/A 7. UNIT AGBBEMENT	NAMB	
b. Type of well	LL x	DEEPEN		PLUG BAC	_K L_			
OIL GA	ELL X OTHER			INGLE X MULTIP	LB _	NATURAL BUTT 8. FARM OR LEASE NA	FP ONIT	
2. NAME OF OPERATOR						NATURAL BUTT	ES UNIT	
CIG EXPLORATION	ON, INC.			·		9. WELL NO.		
3. ADDRESS OF OPERATOR						CIGE 9-36-9-	-22	
P.O. BOX 749	- DENVER, COLOR	ADO 80201	42	N4-4		10. FIELD AND POOL,	OR WILDCAT	
At surface						BITTER CREEK		
	& 1852' FEL -	Section 36	, T9	s, R22E NU.SE		AND SURVEY OR A	REA	
At proposed prod. zon SAME AS						Sec. 36, T9S	ישר לים י	
14. DISTANCE IN MILES		REST TOWN OR POS	T OFFIC	E#		12. COUNTY OR PARISI	H 13. STATE	
						UINTAH	UTAH	
15. DISTANCE FROM PROPO LOCATION TO NEARES:			16. N	O. OF ACRES IN LEASE		F ACRES ASSIGNED HIS WELL		
PROPERTY OR LEASE LIN (Also to nearest drlg.	E, FT. line, if any) 185	2'	(	640	N/A			
18. DISTANCE FROM PROPO TO NEAREST WELL, DI	RILLING, COMPLETED,	_		ROPOSED DEPTH		RY OR CABLE TOOLS		
OR APPLIED FOR, ON THI		0'	74	4001	RO1	TARY		
21. ELEVATIONS (Show whe						22. APPROX. DATE W		
4952 UNGRA						MAY 15,	1978	
	P	ROPOSED CASI	NG AN	D CEMENTING PROGRA	.M.			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	FOOT SETTING DEPTH		QUANTITY OF CEMENT			
12-1/4"	9-5/8"	36#	200'		<u>125 S</u>			
8-1/2" AND	4-1/2"	11.6#		TD		EQUIRED TO COV	<u>'ER PAY ZONE</u>	
7-7/8"								
SEE ATTACHED :  1. BOP PROGR. 2. BOP SCHEM. 3. PLAT		. FURTHER I	nfori	: NOITAM		APR 24 DIVISION O	/E() 1978	
CAS W	דוו ספטטוניידטא	HOOKIIP WITE	T FOI	LLOW ON SUNDRY	JOTTOR	GAS, & MIN	FOIL,  00	
GAD W.	EEE TRODUCTION							
		-	APPRO	OVED BY THE DI	VISION			
		(	OIL, (	SAS, AND MININ	ان 10		701	
		ĺ	DATE	4-29-1		2019797		
		ı	BY: .	C.S. Fly	Sant of	Gent !		
IN ABOVE SPACE DESCRIBE zone. If proposal is to preventer program, if any	drill or deepen directiona	proposal is to deep lly, give pertinen	pen or p	plug back, give data on on on subsurface locations an	esent prod d measured	uctive sone and propos I and true vertical dept	ed new productive	
24.	- 00 0/	 2		· · · · · · · · · · · · · · · · · · ·				
SIGNED F. R. MI	KIFF	TI	TLE DIS	STRICT SUPERINTI	ENDENT	DATE April	19, 1978	
(This space for Feder	ral or State office (use)							
PERMIT NO. 43-	017-130419			APPROVAL DATE				
APPROVED BY	AT IPANY	Tr	rl <b>e</b>			DATE		

## T95, R22E, S.L.B.&M.



X = Section Corners Located

#### PROJECT

C.I.G. EXPLORATION. INC.

Well tecation, C.L.G.E. 9-36-9-22, located as shown in the NW I/4 SE I/4 Section 36, T9S, R 22E, S.L.B.S.M. Uintah County, Utah.

#### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR REGISTRATION Nº 3154

UINTAH ENGINEERING & LAND SURVEYING
POBOX Q - 110 EAST - FIRST SOUTH
YERNAL. UTAH - 84078

SCALE 1" = 1000'	DATE 4/14/78
PARTY M.S. K.H. BFW	REFERENCES GLO Plat
WEATHER Fair	FILE C.I.G. EXPLORATION, INC.

CIGIO 36-9-22 BITTER CREEK FIELD SECTION 36-T9S-R22E UINTAH COUNTY, UTAH

#### BLOWOUT PREVENTER PROGRAM:

Operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings, and testing precedures and testing frequency.

Bottom:

3000# BOP W/4-1/" pipe rams 3000# BOP W/blind rams 3000# Hydril

Top:

Grant rotating head

Manifold includes appropriate valves, positive and adjustable chokes and kill line, to control abnormal pressures.

BOP's will be tested at installation and will be cycled on each trip.

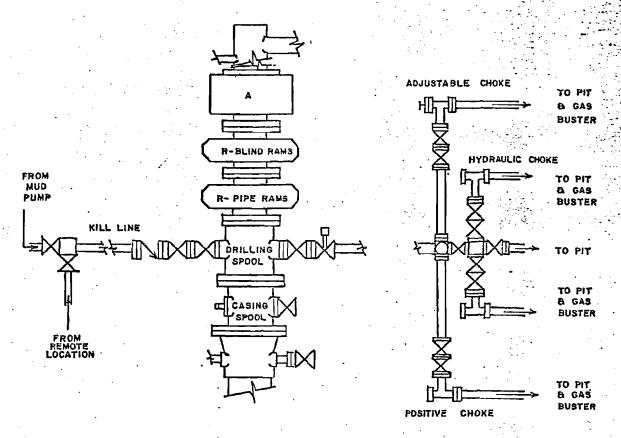
The type and characteristics of the proposed circulating medium to be employed for rotary drilling and the quanities and types of mud and weighting material to be maintained:

The well will be drilled with fresh water mud from surface to with a weight of 8.3 to 8.7 ppg. From 4500' to TD the well will be drilled with fresh water mud with a weight from 8.7 to 10.7 ppg.

Auxiliary equipment to be used:

- a. kelly cock
- b. monitoring equipment on the mud system
- c. a sub with a full opening valve will be available on the floor to stab into the drill pipe when the kelly is not in the string.

# 3000 psi & 5000 psi Working Pressure BOP's (alternate)



#### Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test the following to rated pressure:
  - a) inside blowout preventer
  - b) lower kelly cock
  - c) upper kelly cock
  - d) stand pipe valve
  - e) lines to mud pump
  - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

NW SE

#### \*\* FILE NOTATIONS \*\*

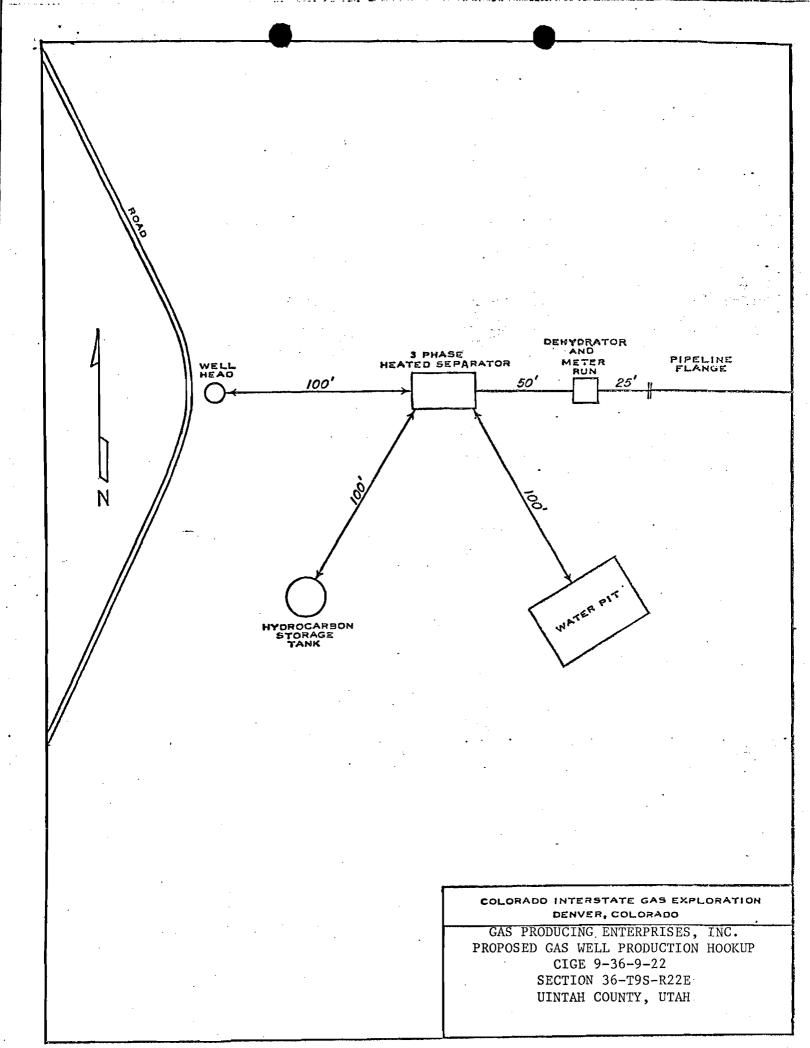
Date: Upsil 29_	1
Operator: C19 Cyplaiate	
Well No:	L Butter 9-36-9-22
Location: Sec. 36 T. 95 R. 22E	County: Ututal
	pletion Sheet: / //
CHECKED BY:	
Administrative Assistant	
Remarks: 00-UnitWell	
Petroleum Engineer	<b></b>
Remarks: 10k fat	
Remarks:	
INCLUDE WITHIN APPROVAL LETTER:	
Bond Required:	Survey Plat Required:
Order No.	Surface Casing Change // to
Rule C-3(c), Topographic exception/c within a 660' radius of	company owns or controls acreage proposed site
0.K. Rule C-3 /	O.K. In fat Dattes Unit / 1
Other:	<b>4</b>

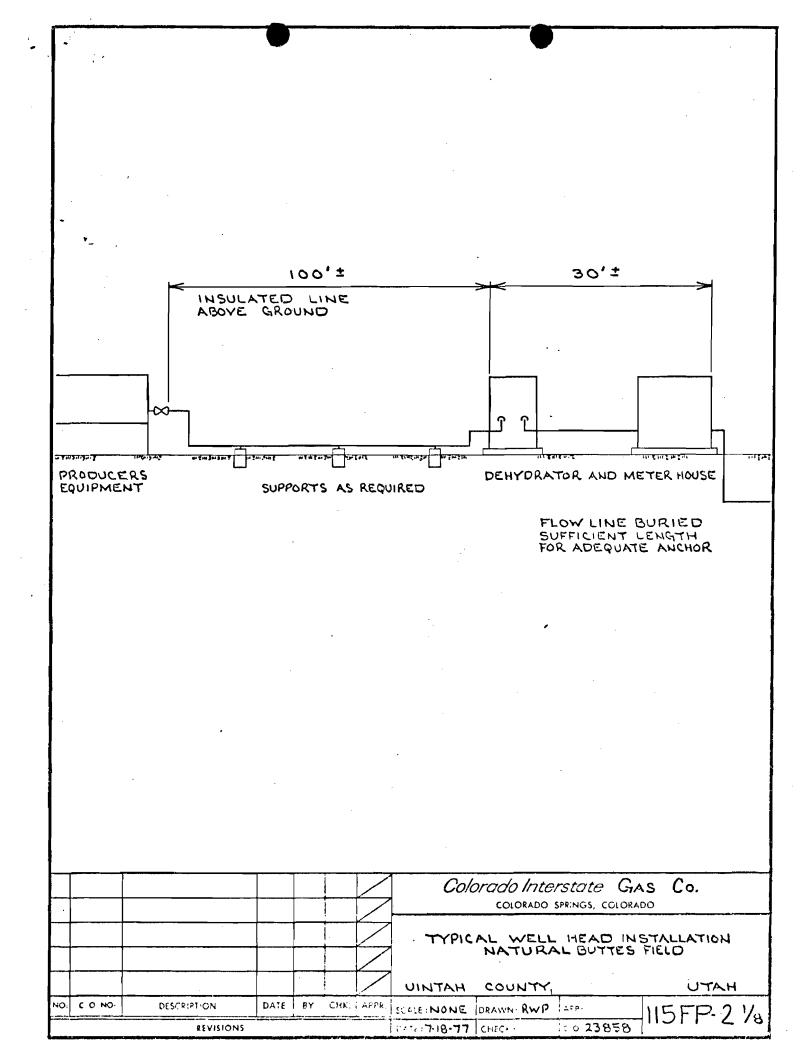
Form OGCC-1 be	

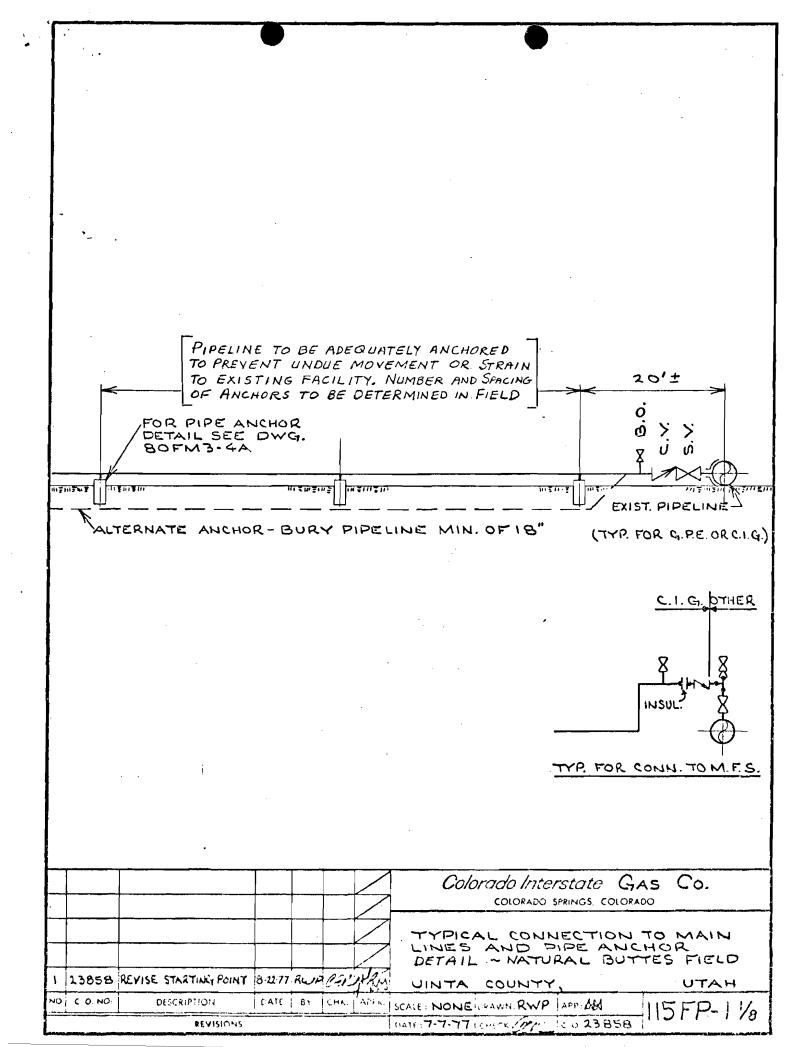
#### STATE OF UTAH

SUBMIT IN TRIPLICATES (Other instructions on re-

OIL & GAS CONSE	RVATION COMMIS	SION (Other instructions verse side)	on re-	5. LEASE DESIGNATION AND SERIAL NO. MI22650
				6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTION OF THE PROPERTY	CES AND REPORTS			N/A
I.	TON FOR PERMIT— TOP SU	on proposals.)		7. UNIT AGREEMENT NAME
OIL GAS X OTHER				NATURAL BUTTES UNIT
2. NAME OF OPERATOR		- 137 KECENEU	<del>/_/</del>	8. FARM OR LEASE NAME
GAS PRODUCING ENTERPRISE	ES, INC.	MAY 8 1978		NATURAL BUTTES UNIT
8. ADDRESS OF OPERATOR	<del></del>	OLVISION OF OIL.	<u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	9. WELL NO.
P. O. BOX 749, DENVER, (	CO 80201	GAS. & MINING	F	CIGE 9-36-9-22
4. LOCATION OF WELL (Report location cle See also space 17 below.) At surface	arly and in accordance with	any State requirements.	<b>(6</b> )	10. FIELD AND POOL, OR WILDCAT
2090' FSL & 1852' FEL SI	CTTON 36-T95-R22		$\mathcal{Y} \mid$	BITTER CREEK FIELD  11. SEC., T., B., M., OR BLK. AND
2000 101 0 1002 111 01	JOHION JO 195 KLZ.			SURVEY OR AREA
			- [	SECTION 36-T9S-R22E
14. PERMIT NO.	15. BLEVATIONS (Show whether	r DF, RT, GR, etc.)	· .	12. COUNTY OR PARISH 18. STATE
	4952' UNGRADED	GROUND		UINTAH UTAH
16. Check App	ropuste Box To Indicate	Nature of Notice, Report	or O	ther Data
NOTICE OF INTENTI				ENT REPORT OF:
	[ <del>-</del>	•	-	,
	LL OR ALTER CASING	WATER SHUT-OFF		REPAIRING WELL
	STIPLE COMPLETE	FRACTURE TREATMENT		ALTERING CASING ABANDONMENT*
	ANDON*	shooting or acidizing GAS WEL	T. PRO	DOUCTION HOOKUP X
(Other) GAS WELL PRODUCTS		(NOTE: Report	results	of multiple completion on Well
7. DESCRIBE PROPOSED OR COMPLETED OPERA proposed work. If well is directions				tion Report and Log form.) including estimated date of starting any
proposed work. It well is directions nent to this work.) *	my drined, give subsurface i	ocations and measured and trite		ROVED BY THE DIVISION C
(1) PROPOSED GAS	WELL PRODUCTION I	HOOKUP		GAS, AND MINING
(A) TYPICAL	WELL HEAD INSTAL	LATION	DAT	E. May 8, 1928
****	MAIN LINES AND P		וואט	
<b>\</b>		•	BY:	P. h. Buscall
(2) PROPOSED PIPE	ELINE MAP		U I .	Marchine to deposit on a debo o construit de la destactiva de la destactiv
(3) PROPOSED ROAL	FOR FLOW LINE A	ND PIPELINE RIGHT O	F WAY	
		,		
·	•			
•				
		•		
18. I hereby certify that the foregoing is to	rue and correct	DISTRICT SUPERINTE	NDENT	DATE MAY 3, 1978
<u> </u>				
(This space for Federal or State office	use	,		
APPROVED BY	Y:	<u>·</u>		_ DATE







GENERAL Form 72 - 1/69	ESTIMATE SKETCH				
DATE: 24 JUNE, 1977  STARTING DATE:  EST. COMP. DATE:  COMPANY  CONTRACT	COLORADO INTERSTATE GAS COMPANY NORTHWEST PIPELINE CORPORATION	W. O. NO.: SEE BELOW  REVISION NO.: A 11 Aug 77 44/1/25  BUDGET NO.: A 13 DEC 77  RELATED DWG.: 115 FU-1			
LOCATION: S35 AND 36, T95, R22E, A DESCRIPTION OF WORK: A CONNECT CINE CONNECT UNIT	NATURAL BUTTES FIELD COUNTY: <u>LINTA</u> E#9-36-9-22 #4-35B - CO#23997, LINE #F	STATE: UTAH  31-2" CONNECT 20-1B			
CONNECT UNIT	#5-36B - CO#23998, LINE#F	32-2" (CO#			
REQUESTED BY: GAS SUPPLY	1.9 - 4-358 _APPROXIMATE MILEAGE: <u>4 - 5~368</u> PROJ	ect engineer: D, SHERRILL			
	RANGE: ZZE	<u> </u>			
32	1740) 15155 1514 2 15115 15116	TOWNSHIP: 95  TOWNSHIP: 95			

PREPARED BY: DDS

SCALE (IF ANY): 1"=2000"

#### April 19, 1978

Statement for permit to lay flow line, to be included with application for drilling permit -- CIGE #9-36-9-22.

Upon approval of all concerned regulatory agencies, CIG proposes to install a surface flow line from CIGE #9-36-9-22 in a southwesterly direction, connecting to existing line #F31-2" (from Belco #4-35B), all in the  $\$\frac{1}{2}$  of S36, T9S, R22E. The line will be approximately 1500 ft. long as shown on the accompanying sketches.

Pipe will be 2-3/8" 0.D.  $\times$  .125" W.T., Grade X-42 EW. It will be buttwelded in place using portable electric welding machines, and will be laid above ground except where burial is necessary for road crossing, ditches, or other obstructions.

CIG will connect to Producer's separator and install dehydration and metering facilities within 100' of the connection.

Some damage will be incurred by trucks transporting pipe and welding equipment over the pipeline route, but surface disturbance will be held to a minimum.

STA	TE OF UTAH	SUBMIT IN TRIPLICATES (Other instructions on re-		
OIL & GAS CONS	ERVATION COMMISSION	manua alda)	5. LEASE DESIGNATION . ML-22650	٠
	CES AND REPORTS OF all to drill or to deepen or plug bac TION FOR PERMIT—" for such prop		6. IF INDIAN, ALLOTTER N/A	OR TRIBE NAME
1.			7. UNIT AGREEMENT NAI	43
WELL X GAS X OTHER			NATURAL BUTT	ES UNIT
2. NAME OF OPERATOR			8. FARM OR LHASE NAM	*
CIG EXPLORATION, INC.	•		NATURAL BUTT	ES UNIT
3. ADDRESS OF OFSERTOR		<del></del>	9. WELL NO.	
P. O. Box 749, Denver,	CO 80201		CIGE 9-36-9-	22
4. LOCATION OF WELL (Report location cl See also space 17 below.)	early and in accordance with any St	ate requirements.*	10. FIELD AND POOL, OR	
At surface		-	BITTER CREEK	FIELD
2090' FSL & 1852' FEL	SECTION 36-T9S-R22E		11. SHC., T., B., M., OR BI SURVEY OR AREA SECTION 36-T	LE. AND
14. PERMIT NO.	15. BLBYATIONS (Show whether Dr. R.		12. COUNTY OR PARISH	
43-047-30419	4952 UNGR. GR.	r, GR, etc.)	UINTAH	UTAH
16. Check Ap	propriate Box To Indicate Nat	• • •	Other Data  But Report OF:	
TEST WATER SHUT-OFF P	ULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING W	MILL
PRACTURE TREAT	ULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CA	DNE
SHOOT OR ACIDIZE	BANDON®	SHOOTING OR ACIDIZING	ABANDONMEN	r•
REPAIR WELL C	HANGE PLANS	(Other)		
(Other)		(Note: Report results ('ompletion or Recomple	of multiple completion of etion Report and Log for:	n.)
17. DESCRIBE PROPOSED OR COMPLETED OPER proposed work. If well is direction nent to this work.)				of starting any and zones perti-
REPORT OF OPER	ATIONS MAY THROUGH AUG	GUST 1978 - SEE ATTA	.CHED	* * * *

8. I hereby certify that the foregoing is true and correct  SIGNED F.R. MICKIEL	TITLE .	District Superintendent	Septemb DATE	per 22, 197
(This space for Federal or State office pase)				
APPROVED BY	TITLE .		DATE	

CIGE #9-36-9-22 (NBU) Bitter Creek Field Uintah County, Utah AFE: 19419 WI: 100% ATD: 7200' SD: 5-27-78 CIGE, Inc., Oper.

LOCATION: NW SW, Section 36, T9S, R22E, Uintah County, Utah.

5-29-78 Rig repairs.

Spud @ 10 PM, 5-27-78; Drlg to 35' & broke hydraulic

hose

TD: 213' WO reamer from Vernal. (70' - 12 hrs)

Drlg 12-1/4" hole; Try & run 9-5/8" csg; Set on 5-30-78 ledge; POOH w/csg; WO reamer.

TD: 213' Prep to cmt.

WO reamer; Reaming; Run 5 jts 9-5/8", 36#, K-55, 5-31-78

R3, 8rd, ST&C csg.

TD: 213' GL WORT

Cmtd csg w/90 sx Class "G" + 2% CaCl,; In place 6-1-78 @ 1 PM;  $(9-5/8", 36\%, K-55 \text{ csg set } @^2213" \text{ GL})$ Cmtd w/B J Hughes.

TD: 213' GL

6-2-78 WORT

TD: 213'

6-3-78 WORT

TD: 213' GL

6-4-78 WORT

TD: 213' GL

6-5-78 MI & RURT

TD: 225' KB RU

6-6-78 RU (Will probably resume drlg operations late tonite or early tomorrow - will have derrick up @ noon- had some rig repairs which has

slowed dwn RU.)

TD: 225' RU #1 Pump.

RU & NU; Test BOP, 9-5/8" csg to 500#, Blind, pipe 6-7-78 manifold & Kelly Cock to 2500#, test Hydril to 1500#, everything held OK.

Drlg 8-3/4" hole (312' - 14½ hrs). TD: 537'

Repair pump; PU DC & Kelly; Drill cmt w/TOC @ 6-8-78 218'; Drlg; Survey (1° @ 471'); Repair pump.

MW 8.3#, 27 secs.

Mixing LCM pill (921' - 22-3/4 hrs). TD: 1458' Drlg; Survey (1° @ 1001'); Mixing LCM pill. 6-9-78

MW 8.3#, 27 secs.

TD: 1752' Drlg w/o returns (294' - 18-3/4 hrs).

Mix LCM pill; 25% partial returns; Survey; Repair 6-10-78 lite plant; Mix LCM 40% pill; Repair #1 pump; Drlg w/partial returns to 1540', no returns 1540'-1752', 2-4' void 1540-44'.

MW 8.3%, 27 secs.

CIGE 9-36-9-22 (NBU)
Bitter Creek Field
Uintah County, Utah
AFE: 19419 WI: 100%
ATD: 7200' SD: 5-27-78
CIGE, Inc., Oper.
Anderson Drilling, Contr.
9-5/8" @ 225';

TD: 2022' WOC (270' - 8 hrs).

6-11-78

Drlg; POOH: TIH w/no DC, open end to 1600'; Set
300 sx Class "G"; Neat plug; POOH - WOC 8 hrs;
Fill hole. FL @ 30'; TIH to 1290'; Cmt w/200
sx Class "G"; POOH, stayed full - WOC.

MW 8.3#, 27 secs.

TD: 2032' Drlg (10' - 1/2 hr).

6-12-78

WOC; TIH w/bit; Drlg cmt, TOC 750'; Trip for plugged bit; Drlg 8-3/4" hole; Full returns; Firm cmt from 750' to 1600'.

MW 8.3#, 27 secs.

TD: 2753' Drlg (721' - 22½ hrs).

6-13-78 Drlg; Circ & survey (1-3/4° @ 2535'); Survey.

(Have little seepage - not very noticeable.)

MW 8.3#, 27 secs.

TD: 3364' Drlg (611' - 23-1/4 hrs).
6-14-78 Drlg; Survey (1-1/4° @ 2816'); Rig service.

MW 8.4#,:27 secs.

TD: 3843' Drlg 7-7/8" hole (479' - 16 hrs).

6-15-78 Drlg; - LD 3 6-3/4" DC & rotating head; Circ;
Survey (1-3/4° @ 3504'); Rig repair - torque converter
BGG 300 un, w/max 1100 un; Wtr flow between 3400 &
3700', est 50 BPH; (NOTE: reduced hole size @ 3504'
from 8-3/4" to 7-7/8".) Mud logger on location 6-14-78,
@ 3504'.

MW 8.6#, 28 secs.

TD: 4311' Drlg 7-7/8" hole (368' - 24 hrs).

6-16-78 Drlg; Well kicked @ 4145'; BGG 900 - 1200 un;

No gas cut mud; No vis cut - gained 6- - 70 bbls

mud volume.

MW 9#, 36 secs.

TD: 4535' Drlg 7-7/8" hole. (224' - 24 hrs). 6-17-78 Drlg; BGG 320 un.

MW 9.4#, 40 secs, 9 cc.

TD: 4714' Drlg (179' - 24 hrs).

6-18-78 Drlg; BGG 300 un, Conn 340 un; Lost 100 bbls mud @ 4653', LCM 10%; Drlg Brk, 4625-35', 10 - 3 MPF, 340 - 580 un; Sndstn vfg, pink, green & red.

MW 9.6#, 40 secs, 8 cc.

TD: 4866' Drlg (152' - 24 hrs). 6-19-78 Drlg; BGG 60 un, Conn gas 110 un.

MW 9.6#, 37 secs, 10 cc.

CIGE 9-36-9-22 (NBU)
Bitter Creek Field
Uintah County, Utah
AFE: 19419 WI: 100%
ATD: 7200' SD: 5-27-78
CIGE, Inc., Oper.
Anderson Drilling, Contr.
9-5/8" @ 225';

TD: 5036' Drlg (170' - 23½ hrs).

6-20-78 Drlg; Repair #1 pump; BGG 90 un, Conn gas 300 un.

MW 9.6#, 40 secs, 9 cc.

TD: 5166' Circ & cond mud (130' - 22 hrs).

6-21-78 Drlg; Rig service; Change Kelly Cock; Circ & cond mud; BGG 90 un; Conn gas 150 un.

MW 9.5#, 40 secs, 10 cc.

TD: 5166' Rig repair.

6-22-78
TOOH & change bits; TIH to 4300'; Repair hydromatic chain; Repair torque converter on #1 engine; Circ & rotate @ reduced rate @ 4300', while repairing rig.

MW 9.7#, 35 secs, 10 cc.

TD: 5171' Drlg 7-1/8" hole  $(5' - \frac{1}{2} \text{ hr.})$ 

6-23-78
WO Torque Converter; Install Torque Converter; TIH
to 5066'; Wash & ream 100' to btm; Drlg; BGG 90 un,
Conn gas 150 un.

MW 9.7#, 35 secs, 10 cc.

TD: 5371' Drlg 7-7/8" hole. (200' - 23-1/4 hrs).

6-24-78
Drlg; Rig service; Repair Compound; BGG 66 un,
Conn gas 100 un; NOTE: 248 jts 4½", 11.6#, N-80,
R-2, 8rd. LT&C csg on location

MW 9.7#, 40 secs, 9 .cc.

TD: 5479' Drlg 7-7/8" hole w/1 engine only, (108' - 21-3/4 hrs).

6-25-78
Drlg; Remove #1 Troque Converter, Main Drive Shaft
broke; BGG 60 un, conn gas 100 un.

MW 9.8#, 39 secs, 9 cc.

TD: 5609' Drlg (130 - 21½ hrs).

6-26-78 Drlg; Rig service; Install Torque Converter; Install shear release valve; BGG 90 un, Conn gas 108 un, 30 min SD - 220 un.

MW 9.8#, 39 secs, 10 cc.

TD: 5774' Drlg 7-7/8" hole (165' - 23-3/4 hrs).
6-27-78 Drlg; Rig service; BGG 45 un, Conn gas 85 un.

MW 9.9#, 44 secs, 10 cc.

TD: 5933' Drlg (159' - 23½ hrs).

6-28-78

BGG 120 un, Conn gas 144 un.

MW 9.9#, 39 secs, 12 cc.

TD: 6102' Drlg 7-7/8" hole. (169 - 23-3/4 hrs).

6-29-78 Drlg; Rig service; Drlg brk 6000-12', 10 - 2 - 10 MPF, 150 - 230 un; 6045-59', 12 - 2 MPF, 190 - 228 un; BGG 72 un, Conn gas 84 un.

MW 9.7#, 42 secs, 8 cc.

CIGE 9-36-9-22 (NBU) Bitter Creek Field Uintah County, Utah WI: 100% AFE: 19419

ATD: 7200' CIGE, Inc., Oper.

Anderson Drilling, Contr. 9-5/8" @ 225';

SD: 5-27-78 TD: 6202' Drlg 7-7/8" hole.  $(100^{\circ} - 16-3/4 \text{ hrs})$ . 6-30-78

Drlg; Rig service; Survey (1-1/4° @ 6141') & pill: Bit trip; BGG 132 un, conn gas 140 un, trip gas 160

MW 9.7#, 40 secs, 10 cc.

TD: 6362' Drlg (160' - 21-3/4 hrs).

7-1-78 Drlg; Repair rig; Rig service; BGG 130 un, Conn gas 145 un.

MW 9.7#, 44 secs, 9 cc.

Drlg (196' - 22-3/4 hrs). TD: 6558'

Drlg; Rig service; Repair chain; Repair # 1 pump: 7-2-78 BGG 126 un, Conn gas 168 un.

MW 9.7#, 45 secs, 10 cc.

TD: 6802' Drlg (244' - 22-3/4 hrs).

Drlg; Circ gas out; Rig service; BGG 300 un, Conn 7-3-78 gas 450 un.

MW 9.8#, 48 secs, 9 cc.

Drlg 7-7/8" hole. (210' - 23-3/4 hrs). TD: 7012' Drlg; Rig service; BGG 96 un, Conn gas 108 un. 7-4-78

MW 9.8#, 45 secs, 9 cc.

Drlg 7-7/8" hole (230' - 24 hrs). TD: 7242' Drlg; BGG 180 un, Conn gas 180 un; Drlg brks: 7-5-78 7106-11', 5 - 1½ MPF, 200 - 210 un; 7135-50', 8 - 4 MPF, 120 - 180 un; 7155-60, 5 - 4 MPF, 220 - 240 un; 7160-65', 5 - 3 MPF, 220 - 240 un; 7202-16', 8 - 3 MPF, 100 - 300 un.

MN 9.7#, 48 secs, 10 cc.

Logging w/Dresser Atlas (58' - 7 hrs). TD: 7300' Drlg; Circ for short trip; 15 stds short trip; Circ 7-6-78 & cond mud for logs; Survey (2° @ 7300'); TOOH for logs & SLM; SLM depth 7303', Loggers depth 7309'; Logging.

MW 9.7#, 46 secs, 10 cc.

TD: 7300' LD DP.

7-7-78 Logging; TIH; Cut drlg line; Finished TIH; Circ & cond mud; LD 2 jts DP - hole tite @ 7220'; PU Kelly & wash 80' to btm; Circ & cond mud; LD DP.

MW 9.7#, 48 secs, 9 cc.

CIGE 9-36-9-22 (NBU) Bitter Creek Field Uintah County, Utah WI: 100% AFE: 19419

SD: 5-27-78 TD: 7300' ATD: 7200' 7-8-78

CIGE, Inc., Oper.

Anderson Drilling, Contr.

9-5/8" @ 225';

RD RT. Released rig @ 6 AM, 7-8-78.

LD DC; RU & ran 252 jts,  $4\frac{1}{2}$ ", 11.6#, N-80, LT&C, R2 csg w/shoe @ 7286' & FC @ 7261'; Circ & cond mud w/ 15' of fill on btm; RU Dowell & cmtd 4½" csg w/1115 sx 50-50 poz w/10% salt, 8% gel, 10#/sx Gilsonite followed by 1248 sx 10% RFC w/0.1% D-74 retarder & 5#/sx Gilsonite; Displaced w/114 bbls 3% KCl wtr w/ PD @ 10:05 PM, 7-8-78; Good returns 'til last 30 bbls of cmt slury - lost returns; No returns during displacement: Finished displacement& bumped plug w/4500# Set slips w/72,000#; ND BOP & clean mud pits. WOC transfer to back page.

TD: 7000' Last report was 7-8-78.

8-25-78 Flow to pit.

Test csg to 6000# - OK; RU Welex & perf w/3-1/8" csg 2 JSPF @ 6535', 6569', 6770', 6886' & 7088', 10 shots; (CBL depths); RU Howco & broke dwn perfs w/6000 gals 2% KCl w/25,000 No: Max press 7200 psi; Avg rate 12 BPM @ 6800 psi; Max rate 13.1 BPM; Job complete @ 1:45 PM; ISIP 5200#, 5 min SIP 2200#, 10 min SIP 2130#; Pumped 830 SDF/bbl in flush; Open on 1/2" ck to pit.

CIGE 9-36-9-22 (NBU) Bitter Creek Field Uintah County, Utah WI: 100% AFE: 19419

SD: 5-27-78 ATD: 7200'

CIGE, Inc., Oper. Anderson Drilling, Contr.

9-5/8" @ 225'; 412" @

7286'

Perfs: 6535'-7088'

(10 shots)

Flowing well to pit on 32/64" ck. 8-26-78 FTP 75#. Gas - dry, est 50 - 75 MCFD

8-27-78 MI frac tanks prep to recomplete.

Flowing to pit after brkdwn. 8-28-78

FCP 100 ps:, on 20/64" ck. 25 - 50 MCFD w/

trace of wir.

8-29-78 Prep to break well dwn w/acid.

Perf 6 holes w/3-1/8" csg gun w/GOI. Shot @ 6060'. 4916', 4898' (Welex cased hole log dated 7-23-78 log reference used). Flowing well to pit on 16/64"

ck.

TD: 7000' SI well - prep to frac this AM w/Western.

8-30-78 RU Western & acidized dwn 4½" csg w/5000 gals 7½% MSR acid w/50 RCN ball sealers; Balled out to 6000 psi w/ 30 bbls acid in formation; Displaced remaining acid @ 6 BPM @ 1400 psi; Formation broke from 4600# to 2300# & 5500# to 4950#; Displaced acid w/2% KCL wtr; ISIP 1050 psi, 10 min SIP 800 psi; Opened well to pit on 32/64" ck; FCP O psi w/2" stream of KCL Flush & Acid load; Flowed well to pit overnite on 32/64" ck to CU after acid brkdwn; This AM flowing dry gas w/FCP 200#; Calculated gas rate after brkdwn 1.254 MMSCF/D, dry.

SIGNED

#### SUBMIT IN DUPLICATE. (S

STATE OF UTAH	
DIL & GAS CONSERVATION COMMISSION	

ee other in-	<u> </u>		<u> </u>			
verse side)	5.	LEASE	DESIGNATION	DNA	SERIAL	7

1-12-79

DATE .

•	OIL &	GAS CC	NSERV	ATIO	N CO	MMISS	ЮИ		Teve	rse side	' I	ease de L-226		right and e	ERIAL NO
WELL CO	MPLETIO	N OR	RECO	MPLET	ION	REPO	<b>₹</b>	AN	D LO	G *	6. II		-	TIES OR T	RIRE NAM
1a. TYPE OF WE	LL:	WELL	GAS WELL		DRY .	Other _		<u></u>	*		-  <u>7. U</u>	N/A		T NAME	<del></del>
L TYPE OF COM	PLETION:	DEBP-	PLGG F		_	12	JAI	ELE	IVE[]	\	N		L B	UTTES U	NIT
WELL C.	OYER L	EN L	BACK L	L RES	SVR.	Other _	UAI	<u>, 1</u>	<del>) 1979</del>						
• • • • • • • • • • • • • • • • • • • •	LORATION,	INC.		*****	••••	THE C	AS,	- 1 . & ka	Miller			ELL NO.		UTTES	
3. ADDRESS OF OPE			<del></del>	·		10		- 171	(1811) Syra	201/	-	CIGE	9-36	5-9-22	•
	c 749 - D						>			$\mathcal{Y}^{-}$	10.	FIELD AN	D 200	L, OR WILD	CAT
4. LOCATION OF WE At surface 2	LL (Report loc	tion clear	ly and in a	sccordanc	e with ar	sy State K		77	11/19	,				REEK FI	
	•		FEL :	sectio	n 30,	195,	R24	E	•	•		BEC., T., OR AREA		OR BLOCK A	nd survey
At top prod. in	SAME AS	ABOVE					•		:		SE	CTION	36,	T9S,	R22E
At total depth	CAMP AC	ADOME	ura ututami	14 P	RMIT NO			\ATE	ISSUED		- 12	COUNTY	0.8	13. 57	TE
	SAME AS	ABOVE			-047-		1	/# 4 to	133620			PARIAR NTAH		UT	
15. DATE SPUDDED	16. DATE T.D	. REACHED	17. DATE	E COMPL.	(Ready t	o prod.)	18.	ELEV	ATIONS (	DF, RKB,			19.	ELEV. CASIN	
5-27-78	7-5-7	8	9	9-5-78	•			495			INGR		L	KNOWN	
20. TOTAL DEPTH, MD	A TVD 21. 1	LUO, BACK		TVD 22	HOW 3	TIPLE CO	M PL.,		23. INT	ERVALS LLED BY		ARY TOO		CABLE	
7303'	<u> </u>	7288			-	-			<u> </u>	<del>-&gt;</del>	213	' - T		0' -	
24. PRODUCING INTE	RVAL(S), OF TH	IS COMPLE	TION-TOP	, BOTTOM,	NAME (	MD AND T	<b>v</b> D) •				-		2	S. WAS DIRE BURYET	HADE
4898' - 3	7088' WA	SATCH -	- MESAT	ÆRDE							•	•	1	YES	:
26. TIPE ELECTRIC	- CNL - D		T 00	,						<del> </del>	<del></del>		27. W	AS WELL C	CERO
<del></del>	CIAT D	TNOTIT												NO	
23.	WEIGHT, L	D / 1949	CASI DEPTH SE			ort all str	rings	set in		SENTING	RECORI	<u> </u>			
9-5/8"	36#		213'	L (MD)		2½"	-	906				2% Ca	C7 -	AMOUNT	PULLED
45"	11.6	<u>-</u>	7286'		·		½" 90sx Class "G" '&7-7/8" 1115sx						10% 0-1		
	_		1200		0-3/5	<u> </u>		8%	ge1, 1						
														GIL. &	3% KC
29.		LINER	RECORD						30.		TUBIN	G RECC	RD		wer.
= BIZE	TOP (MD)	BOTTO	( (MD)	SACKS C	- EMENT.	SCREEN	(MD	)	SIZE	-	DEPTH	SET (M	D)	PACKER S	ET (MD)
	<del></del>							-		-				<del></del>	
31. PERFORATION REC			-	-		82.		AC	D. SHOT	FRAC	TURE.	CEMENT	SQU	EEZE, ETC	
6535', 656				8',		DIPTH	ITRI	RVAL	(ak)		MOUNT .	ND KIN	) OF 1	SATERIAL U	SID
6060', 491	.0 , 4898	, W/2J	SPF.						- <del>0 5</del> -		m m	·			
TOTAL 16. S	hots								SE	E A	1 1	ACI	IE.	D	
33.•		•	<del></del>		PPA	DUCTION									
DATE FIRST PRODUCT	ION PRO	DUCTION M	ETHOD (F	lowing, g				nd ty	pe of pun	np)		WELL	BTATUS	3 (Producin	gor
11-1-78			LOWING									PROL	UCI		
11-1-78	HOURS TESTE		/64		V. FOR PERIOD	OIL-BE	-	1	678	-	1	er 86L		GAS-OIL RAT	rio
FLOW. TUBING PRESS.	CASING PRESS	URE CAL	CULATED	OIL-	884.	GA	SX	c≠.	070	WATER	<del> </del>	<del>,</del>	OIL GI	BAVITT-API	(COBR.)
<b>-</b>	600	24-1	HOUR RATE	•	-		67	8		0	, ~	· •	*	-	·
34. DISPOSITION OF G		or fuel, ver	nted, etc.)			•						WITHES		7	
SOLI		<u> </u>				<del></del>			_	•	K	arl (	den	<del>-</del>	
35. LIST OF ATTACE	AINIS TOTTO	r 173.073				·								ē	

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

TITLE

Sr. Petroleum Engineer

# INSTRUC DNS

th, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be Itted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal State agency of lands and leases des instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. a complete and correct well completion report and log on all This form State office.

not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formana and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments

tion and pressure tests, and directional surveys, should be attached hereto, to the extensional be listed on this form, see item 35.

4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, nterval

ach additions interval to be separately produced, showing the additional data pertinent to such interval.

29: "Socks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool

33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.) item 33: Submit a separate completion report on this form for each interval to be separately produced.

	a,	TROM TREE, DEPTH			. ,	
Geologic Markers	TOP	MEAS. DEPTH	1173	4228	9689	
38. GEOLOG	37.7		GREEN RIVER	WASATCH	MESAVERDE	essent year of a second
THEREOF; CORED INTERFALS; AND ALL DRILL-STEM TESTS, INCLUDING IN. PLOWING AND SHUT-IN PRESSURES, AND RECOVERES	DESCRIPTION, CONTENTS, ETC.					
DRITY AND CONTENT RED, TIME TOOL OP!	BOTTOM		HS OR DSTS			
OUS ZONES: TANT ZONES OF POR- TESTED, CUSHION U	TOF		NO CORES			
87. SUMMARY OF POROUS ZONES: BHOW ALL IMPORTANT EONES OF POROSITY AND CONTENTS THEREOF; DEFTH INTERVAL TESTED, CUSHION USED, TIMB TOOL OFEN, PLOWING	FORMATION			,		

CIGE 9-36-9-22
CIG EXPLORATION INC.
SECTION 36-T9S-R22E
UINTAH COUNTY, UTAH
COMPLETETION REPORT SUPPLEMENT

#### Item 32. Depth Interval

4898' - 7088'
Frac w/135,000 gal 40#/1000 gel w/300,000 #20/40 SND w/SNDCONC of 1 ppg to 4 ppg. Fluids 2% KCl base w/surfactant.

6535' - 7088' acid w/6000 gal 2% KCl, W/25,000 N<sub>2</sub> 4898' - 7088' acid w/5000 gal  $7\frac{1}{2}$ % MSR w/50 RCN sealers

ABANDON\*

Form Approved. Budget Bureau No. 42-R1424

# UNITED STATES

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY	ML-22650  6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)  1. oil	7. UNIT AGREEMENT NAME Natural Buttes Unit 8. FARM OR LEASE NAME Natural Buttes
2. NAME OF OPERATOR	9. WELL NO. CIGE 9-36-9-22
Coastal Oil & Gas Corporation  3. ADDRESS OF OPERATOR  P. O. Box 749, Denver, CO 80201  4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  AT SURFACE: 2090' FSL & 1852' FEL	10. FIELD OR WILDCAT NAME  Natural Buttes Field  11. SEC., T., R., M., OR BLK. AND SURVEY OR  AREA  Section 36-T9S-R22E
AT TOP PROD. INTERVAL: SAME AT TOTAL DEPTH: SAME	12. COUNTY OR PARISH 13. STATE  Uintah  Utah  14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	43-047-30419 15. ELEVATIONS (SHOW DF, KDB, AND WD) 4952 Ungr. Gr.
REQUEST FOR APPROVAL TO:  SUBSEQUENT REPORT OF:  TEST WATER SHUT-OFF  FRACTURE TREAT  SHOOT OR ACIDIZE  REPAIR WELL  PULL OR ALTER CASING  MULTIPLE COMPLETE  CHANGE ZONES  SUBSEQUENT REPORT OF:  SUBSEQUENT REPORT OF:  SUBSEQUENT REPORT OF:	(NOTE: Report results of multiple completion or zone change on Form 9–330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This application is to request approval to dispose of produced waters in an unlined pit with a bentonite seal. The subject well produces less than one RWPD, The attached water analysis gives the composition of produced waters. Water is produced from the Wasatch-Mesaverdeformation. The evaporation rate for the area compensated for annual rainfall is 70 inches per year. The percolation rate is 2-6 inches per hour for the area. The pit itself is 30' x 30' at the surface, tapering down to 25' x

25', having a depth of 6-1/2 feet. See the attached map for location of well site. The pit is located at the well site. Attachments: (1) Topo map (2) Water analysis The areal extent and depth of waters containing less than 10,000 ppm TDS is unknown. The cement for the 4-1/2" casing is brought back near surface which protects all surface waters. Subsurface Safety Valve: Manu. and Type \_\_ Set @ . 18. I hereby certify that the foregoing is true and correct TITLE Production Superintendent (This space for Federal or State office use) CONDITIONS OF APPROVAL, IF ANY:

SAMPLE NO.\_\_\_\_\_

#### THE WESTERN COMPANY

Service Laboratory Midland, Texas Phone 683-2781 Day Phone 683-4162 Night Service Laboratory Oklahoma City, Oklahoma Phone 840–2771 Day Phone 751–5470 Night

#### WATER ANALYSIS

	County	UIN	TAH
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Date Sampled 6-29-80

Field

Date Received 6-30-80

Operator CIGE

Submitted By KARL ODEN

Well CIGE #9

Worked By JOHN KOTELEC

Depth

Other Description

Formation WASATCH

#### CHEMICAL DETERMINATIONS as parts per million

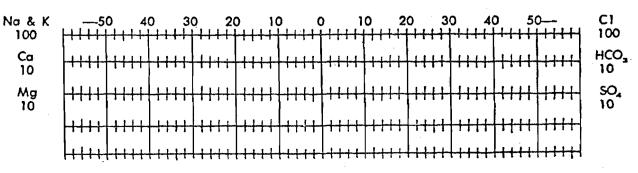
Density	pH
Iron 2 ppm	Hydrogen Sulfide NoNE
Sodium and Potassium 12388	Bicarbonate 635
Calcium840	Sulfate900
Magnesium 194	Phosphate
Chloride	as Sodium Chloride 33094
TOTAL ppm	
_	·

Resistivity \_\_\_\_\_ ohm-meters @ 70°F

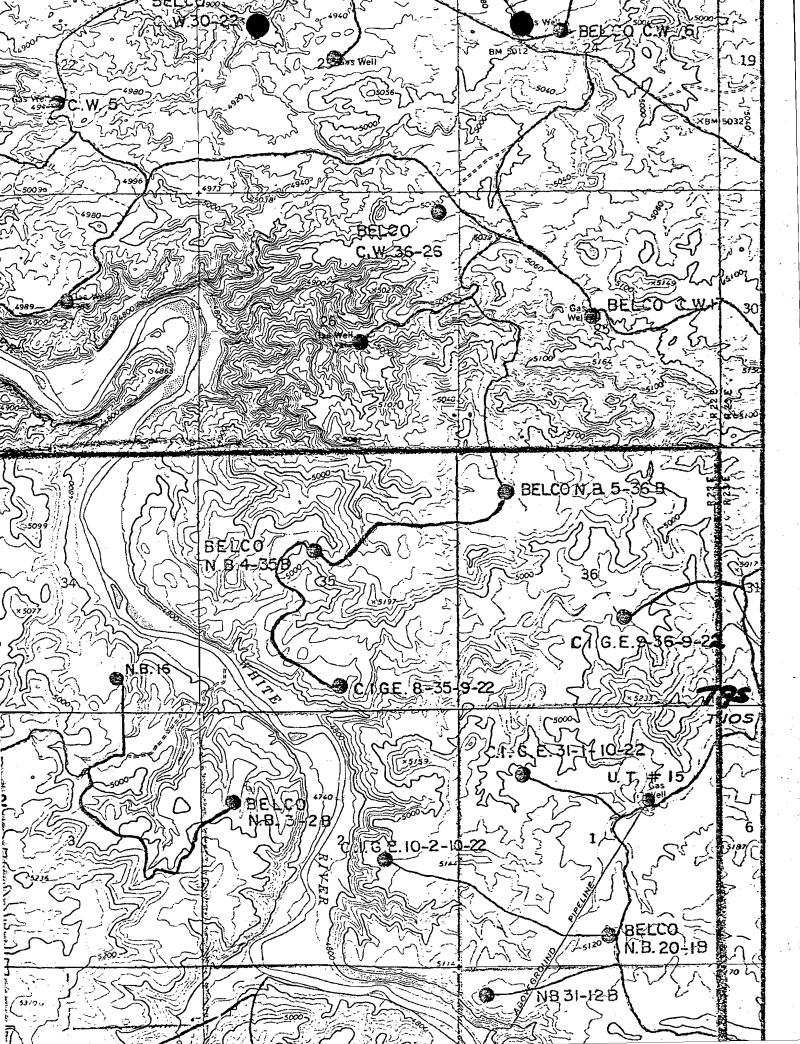
TOTAL HARDNESS - 2200 ppm as Ca CO3

Remarks:

for Stiff type plot (in meq./1.)



Per \_\_\_\_\_



# NATURAL BUTTES UNIT COASTAL OIL & GAS CORPORATED - OPERATED (COGC) COLORADO INTERSTATE GAS EXPLORATION - OPERATED (CIGE)

```
Natural Duck
  COGC 1-22-9-20
  COGC 2-22-9-20
Natural Buttes ...
  COGC NBU (Ute Trail) #1W
  COGC NBU (Ute Trail) #1MV
  COGC NBU (Ute Trail) #7
  COGC NBU (Ute Trail) #52X
  COGC NBU (Ute Trail) #83X
  COGC NBU (Ute Trail) #88X
  COGC NBU #1
  COGC NBU #3
  COGC NBU #4
  COGC NBU #6
  COGC NBU #7
  COGC NBU #8
  COGC NBU #9
  COGC NBU #10
  COGC NBU #11
  COGC NBU #12
  COGC NBU #13
  COGC NBU #14
  COGC NBU #15
  COGC NBU #16
  COGC NBU #17
  COGC NBU #18
  COGC NBU #19
  COGC NBU #20
  COGC NBU #22
  COGC NBU #23 N
  COGC NBU #24 N2
  COGC NBU #26
Highland (Coastal Operated)
  NBU #27
  NBU #27A
  NBU #28
  NBU #29
  NBU #31
  COGC NBU #32Y
  COGC NBU #33Y
  COGC NBU #35Y
  COGC NBU #36Y
  COGC NBU #37XP
  COGC NBU #38 N2
  COGC NBU #39N
  COGC NBU #41J
  COGC NBU #43 N
  COGC NBU #45N
```

COGC NBU #46N

J. SEIVE

DIVISION OF ON, GAS & MINING

```
COGC NBU #47 N2
COGC NBU #48 N3
COGC NBU #49 V
COGC NBU #50 N2
COGC NBU #51J
COGC NBU #52J
COGC NBU #53 N
COGC NBU #54 N
COGC NBU #56 N2
COGC NBU #57 N.
COGC NBU #58 N2
COGC NBU #62 N
COGC NBU #63 N3
COGC NBU #64 N3
COGC NBU #65N3
COGC NBU #68 N2
COGC NBU #69 N2
COGC NBU #70 N3
COGC NBU #72 N3
COGC NBU #74 N3
COGC NBU #75N3
COGC NBU #80V
COGC NBU #81V
COGC NBU #83J
COGC NBU #84V
COGC NBU #85J
COGC NBU #86J
COGC NBU #87J
COGC NBU #98 V
CIGE NBU #2-29-20-21
CIGE NBU #3-32-9-22
CIGE NBU #4-9-10-21
CIGE NBU #5-31-9-22
CIGE NBU #6-19-9-21
CIGE NBU #7-8-10-21
CIGE NBU #8-35-9-22
                           95, 20E, 36 30419
CIGE NBU #9-36-9-22
CIGE NBU #10-2-10-22
CIGE NBU #11-14-9-20 (W)
CIGE NBU #13-7-10-21
CIGE NBU #14-9-10-22
CIGE NBU #15-8-10-22
CIGE NBU #16-20-10-22
CIGE NBU #18-2-10-21
CIGE NBU #19-16-9-21
CIGE NBU #20-20-10-22
CIGE NBU #21-15-10-22
CIGE NBU #22-15-9-10
CIGE NBU #23-7-10-22
CIGE NBU #24-29-9-22
CIGE NBU #25-34-9-22
CIGE NBU #27-33-9-22
CIGE NBU #28-35-9-21
CIGE NBU #30-6-10-21
CIGE NBU #31-1-10-22
CIGE NBU #32A-20-9-20
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and the second

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CIGE NBU #33-27-10-21
CIGE NBU #34-13-10-20
CIGE NBU #35-1-10-20
CIGE NBU #36D-32-9-22
CIGE NBU #37D-21-9-21P
CIGE NBU #38-4-10-21
CIGE NBU #40-3-10-21
CIGE NBU #41-12-10-21
CIGE NBU #42-25-9-21
CIGE NBU #43-14-10-22
CIGE NBU #44-9-9-21
CIGE NBU #45-15-9-21
CIGE NBU #46-21-9-21
CIGE NBU #47-14-10-21
CIGE NBU #48-15-10-21
CIGE NBU #49-22-10-21
CIGE NBU #51D-31-9-22P
CIGE NBU #52-5-10-22
CIGE NBU #53-6-10-22
CIGE NBU #54D-35-9-21
CIGE NBU #55-1-10-21
CIGE NBU #56-34-9-21
CIGE NBU #57-10-10-21
CIGE NBU #58-16-10-21
CIGE NBU #59-21-10-21
CIGE NBU #60-14-9-21
CIGE NBU #61-13-9-21
CIGE NBU #62D-36-9-22P
CIGE NBU #63D-29-9-22P
CIGE NBU #64D-33-9-22P
CIGE NBU #65-19-10-22
CIGE NBU #66-23-10-21
CIGE NBU #67A-2-10-22P
CIGE NBU #68D-35-9-22P
CIGE NBU #69-19-10-21
CIGE NBU #70-20-9-21
CIGE NBU #71-7-9-21
CIGE NBU #72-18-9-21
CIGE NBU #73D-5-10-22P
CIGE NBU #74D-6-10-22P
CIGE NBU #75D-8-10-21P
CIGE NBU #76D-9-10-21P
CIGE NBU #77D-10-10-21P
CIGE NBU #78C-16-9-21P
CIGE NBU #79D-1-10-21P
CIGE NBU #80D-2-10-21
CIGE NBU #81D-4-10-21
CIGE NBU #83D-7-10-22P
CIGE NBU #84D-12-10-21P
CIGE NBU #85D-29-10-21
CIGE NBU #86D-16-9-21P
CIGE NBU #87D-34-9-21P
CIGE NBU #88D-15-10-21P
```

CIGE NBU #89D-34-9-22J

CIGE NBU #90D-9-9-21J
CIGE NBU #91D-15-9-21J
CIGE NBU #92D-13-10-20J
CIGE NBU #93D-2-10-21J
CIGE NBU #94D-14-10-21J
CIGE NBU #95D-14-10-21J
CIGE NBU #99D-25-9-21J

COGC NBU #11-14-9-20

Bluebell (Coastal Operated)
Asay
Powell Fee #3
Powell Fee #4
Ute Tribal #1-31
Powell Fee #3 SWD

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Success.	V		·		

### DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SFP 3 0 1994

FORM APPROVED Budget Bureau No. 1004-0135

09/27/94

Expires: March 31, 1993 ease Designation and Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS: ML CAS & MINING See attached list. Do not use this form for proposals to drill or to deepen or reentry to a different reservoir If Indian, Alottee or Tribe Name Use "APPLICATION FOR PERMIT" - for such proposals N/A 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE Natural Buttes Unit 1. Type of Well 8 Well Name and No. X Gas Well See attached list. Oil Well Other 9. AAPI Well No. 43047-304 2. Name of Operator Coastal Oil & Gas Corporation See attached list. 3. Address and Telephone No. 10. Field and Pool, Or Exploratory Area P. O. Box 749, Denver, CO 80201 – 0749 (303) 573 - 4476Natural Buttes 4. Location of Well (Footage, Sec., T., R., M., Or Survey Description) 11. County or Parish, State See attached list. Uintah, UT CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION X Notice of Intent Change of Plans Abandonment Recompletion New Construction Subsequent Report Non-Routine Fracturing Plugging Back Water Shut-Off Casing Repair Final Abandonment Notice Altering Casing Conversion to Injection Other Install gas compression unit Dispose Water Report results of multiple completion on Well Completion or Recompletion Report and Log form.) Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and tru vertical depths for all markets and zones pertinent to this work.)\* The operator proposes to install a 720 horsepower compressor to lower the gas line pressure of 16 Coastal Oil & Gas wells and 8 Enron wells. Lowering the gas pressure would add to the reserves of the 24 affected wells. Because of inefficient flow characteristics due to water production, a lower flow line pressure would assist in unloading water from the wellbore. Please see attached map displayed affected wells. 14. I hereby certify (t)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, ficticious or freudulent statements or

Bonnie Johnston

(This space for Federal or State office use)

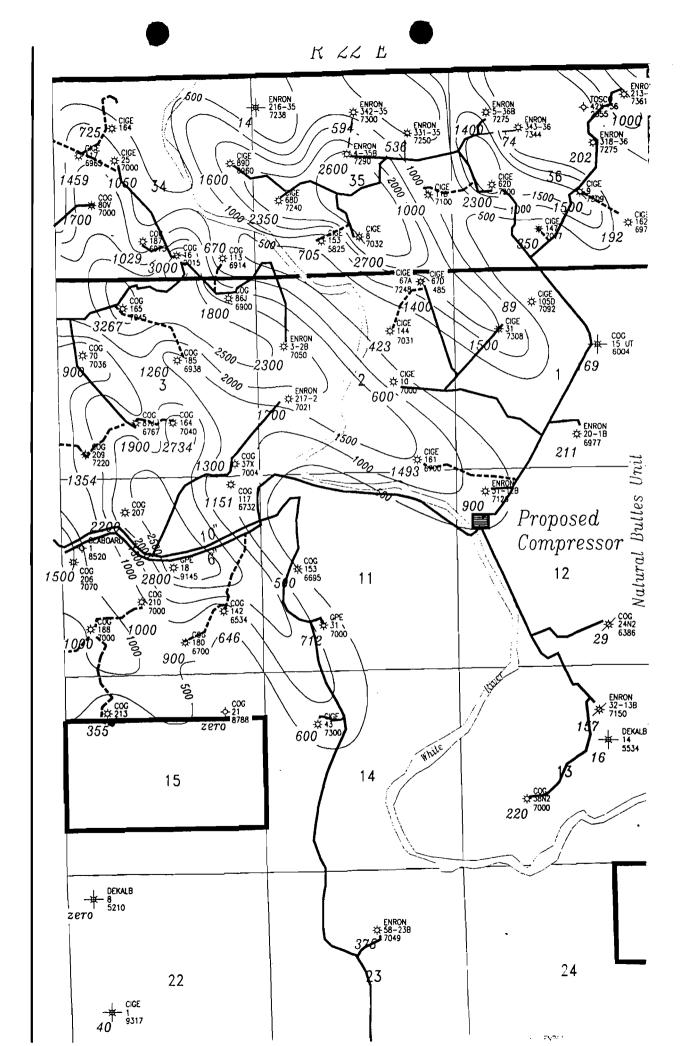
representations as to any matter within its jurisdiction.

Conditions of approval, if any:

APPROVED BY

Title Environmental Analyst

WELL NAME	FOOTAGES	WELL LOCATION	LEASE DESIGNATION AND SERIAL NO.	API WELL NO.
CIGE 8-35-9-22	1044' FSL & 2488' FEL	Sect. 35, T9SR22E	U-010954-A	43-047-30427
CIGE 9-36-9-22	2090' FSL & 1852' FEL	Sect. 36, T9S-R22E	ML-22650	43-047-30419
CIGE 10-2-10-22	2421' FSL & 1652' FEL	Sect. 2, T10S-R22E	ML-22651	43-047-30425
CIGE 31	1587' FNL & 1195' FWL	Sect. 1, T10S-R22E	U-011336	43-047-30511
CIGE 62D-36-9-22	2340' FSL & 1085' FWL	NW/SW Sect. 36, T9S-R22E	ML-22650	43-047-30885
CIGE 67A-2-10-22	210' FNL & 874' FEL	NE/NE Sect. 2, T10s-R22E	ML-22651	43-047-30866
CIGE 68D-35-9-22	2084' FSL & 676' FWL	Sect. 35, T9S-R22E	U-10954-A	43-047-30951
CIGE 89D-34-9-22	2183' FNL & 597' FEL	SE/NE Sect.34, T9S-R22E	U-0149077	43-047-31146
CIGE 105D-1-10-22	842' FNL & 2095' FWL	Sect. 1, T10S-R22E	U-011336	43-047-31758
CIGE 118-35-9-22	2116' FSL & 615' FEL	SW/NW Sect. 35, T9S-R22E	UTU-010954A	43-047-32025
CIGE 144-2-10-22	1501' FNL & 1719' FEL	SW/NE Sect. 2, T10S-R22E	ML-22651	43-047-32022
CIGE 147-36-9-22	1121 FSL & 2328' FWL	SE/SW Sect. 36, T9S-R22E	ML-22650	43-047-32020
CIGE 153-35-9-22	921' FSL & 1795' FEL	Sect. 35, T9S-R22E	UTU-010954A	43-047-32067
CIGE 161-2-10-22	297' FSL & 1033' FEL	SE/SE Sect. 2, T10S-R22E	ML-22651	43-047-32168
CIGE 162-36-9-22	1224' FSL & 618' FEL	SE/SE Sect. 36, T9S-R22E	ML-22650	43-047-32164
NBU 38N2	1752' FWL & 1768' FSL	NW/SW Sect. 13, T10S-R22E	U-06512 ST	43-047-30536
4-35B	2037' FNL & 2539' FWL	SE/NW Sect. 35, T9S-R22E	U-010954-A	43-047-30273
5-36	1023' FNL & 958' FWL	NW/NW Sect. 36, T9S-R22E	ML-22650	43-047-30272
31-12B	565' FNL & 756' FWL	NW/NW Sect. 12, T10S-R22E	U-01197-A-ST	43-047-30385
213-36	579' FNL & 659' FEL	NE/NE Sect. 36, T9S-R22E	ML-22650	43-047-31268
318-36	1869' FNL & 1482' FEL	SW/NE Sect. 36, T9S-R22E	ML-22650	43-047-32204
331 – 35	1531' FNL & 1153' FEL	SE/NE Sect. 35, T9S-R22E	U-010954-A	43-047-32147
342-35	918' FNL & 2563' FEL	NW/NE Sect. 35, T9S-R22E	U-010954-A	43-047-32212
343-36	1448' FNL & 1823" FWL	SE/NW Sect. 36, T9S-R22E	ML-22650	43-047-32205



11.

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3	F	i R	(	5 100E			Lea

se Designation and Serial Number:

ML - 22650

6.	if Indian,	Allottee or Tribe Name:	Τ

SUNDRY NOTICES AND REPORTS ON WELLSFOIL, G	45	8. 1	MIN	ı
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.				-

7. Ünit Agreement Name: Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals. Natural Buttes Unit

Type of Well: 8. Well Name and Number: OIL GAS X OTHER: CIGE #9-36-9-22

Name of Operator: 9. API Well Number: CIG, Exploration Inc. 43-047-30419

Address and Telephone Number: 10. Field and Pool, or Wildcat: P.O. Box 749, Denver, CO 80201-0749 (303) 573 - 4476Natural Buttes

Location of Well

2090' FSL & 1852' FEL Uintah County:

Footages: Section 36-T9S-R22E Utah QQ, Sec., T., R., M.: State:

## CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE O (Submit In			QUENT REPORT Original Form Only)	
Abandon	New Construction	Abandon *	New Construction	
Repair Casing	Pull or Alter Casing	Repair Casing	Pull or Alter Casing	
Change of Plans	Recompletion	Change of Plans	Perforate	
Convert to Injection	Perforate	Convert to Injection	Vent or Flare	
Fracture Treat or Acidize	Vent or Flare	X Fracture Treat or Acidize	Water Shut-Off	
Multiple Completion	Water Shut-Off	X Other CO		
Other				
		Date of work completion	1/18/95	
Approximate date work will start		Report results of <b>Multiple Completions</b> and <b>Recompletions</b> to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.		
		Must be accompanied by a cement verif	fication report.	

Please see the attached chronological history for work performed in the subject well.

13. 7.0. Shiflettpat N.O. Shiflett Title: District Drilling Manager Name & Signature:

(This space for State use only)

tax credit

DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

## THE COASTAL CORPORATION PRODUCTION REPORT

#### CHRONOLOGICAL HISTORY

CIGE #9 (Cleanout & Acidize)
NATURAL BUTTES UNIT
UINTAH COUNTY, UTAH
WI: 100% (CIG)

Page 1

- 01/09/95 MO & RU Flint Well Service #1472. TP 400#, CP 500#. Blow well down. Kill well w/30 bbls, ND tree, NU BOP, POOH w/prod tbg, PU 3-7/8" cmt mill & Bulldog bailer. RIH, tag bridge @ 6072', 6' fell through. RIH 6788', tag bridge 15', fell through. RIH, tag solid fill 6924', CO to 7067', plugged bailer. POOH, CO bailer. RIH w/new bailer and 3-7/8" mill, tag fill @ 7057', CO to 7132'. DC: \$8,300
- 01/10/95 RU Swab. Finish POH & LD bailer & mill. RIH w/tbg to 7107'. RU Western. Spot 1000 gal 15% HCl across perfs. Let acid soak 3 hrs. RU swab. Made 3 runs, rec 3 BW, could not get through tight spot in tbg @ 4200', POH & LD crimped jt. run back in & RU swab. Made 6 runs, rec 37 BW. Sd line parted. POH w/tbg. Rec swab & approx 400' Sd line. RIH w/tbg to 7107'. Start RU swab. DC: \$6,810
- 01/12/95 SI for press build up. SITP 50#, SICP 500#. RU swab.

  Made 21 runs, rec 78 BW. IFL 3200', FFL @ 5600'. SICP 500#. Well kicked off, flow to pit 1 hr. SION for press build up.

  DC: \$2,220 CC: \$20,130
- 01/13/95 Blow well to pit. TP 50#, CP 500#. Made 7 swab runs, rec 30 bbls. FL start 4500', stopped 5800'. Gas cut fluid no flow. RD Flint rig & move off. MI & RU Colo. Well. TP 0#, CP 550#, made 5 swab runs, rec 38 bbls. FL start 5300'. Well kick off, flow to pit.

  DC: \$1,354 CC: \$21,484
- 01/14/95 MIRU Colo. Well Serv. TP 0#, CP 590#, FFL 5460'. Made 3 swab runs, rec 22 bbls. Flow well to pit. RDMO Colo. Well. Put well to selling @ 3:00 PM. DC: \$847
- 01/18/95 MIRU Colo. Well TP 0#, CP 580#. SFL 5600'. Made 1 swab run, rec 4 bbls. Shut well in to build pressure. Put back on line at 3:45 PM. FINAL REPORT.

  DC: \$647 CC: \$22,968

Form 3160-5 ्र 4June 199**ी** 

## DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

43-	047-	3041
_	COM ADDO	01/50

Budget Bureau No. 1004-0135

	Expires:	March 31,	1993
1 (	S I		T 61-

		CAPITOS.		,,,,,,,,,,
5.	Lease	Designation	and Se	rial No

See attached spreadsheet

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Do not use this form for proposals to drill or to	6.	6. If Indian, Alottee or Tribe Name						
Use "APPLICATION FOR I	PERMIT" - for such proposals							
	Service and the service of the servi		See attached spreadsheet					
	7.	If Unit or CA, Agreement Designation						
SUBMIT IN T	RIPUICATE 03 1997		Natural Buttes Unit					
1. Type of Well	11 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.	Well Name and No.					
Oil Well X Gas Well Other			See attached spreadsheet					
2. Name of Operator	ACCIDENCE STREET	9.	API Well No.					
Coastal Oil & Gas Corporation	DIV. OF OIL WAS CO.		See attached spreadsheet					
3. Address and Telephone No.	CONTRACTOR AND THE PROPERTY OF	10.	Field and Pool, Or Exploratory Area					
P. O. Box 749, Denver, CO 80201-0749	(303) 573-4476		Natural Buttes					
4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)	111.	County or Parish, State						
See attached spreadsheet								
12. CHECK APPROPRIATE BOX(S) TO	INDICATE NATURE OF NOTICE, REPO	RT, C	OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF AC							
Notice of Intent	Abandonment		Change of Plans					
	Recompletion		New Construction					
X Subsequent Report	Plugging Back		Non-Routine Fracturing					
	Casing Repair		Water Shut-Off					
Final Abandonment Notice	Altering Casing		Conversion to Injection					
	Other	X	Dispose Water					
			TE: Report results of multiple completion on Well					
42 Describe Proposed on Completed Operations (Classic Man	الما المام الم		upletion or Recompletion Report and Log form.)					
<ol> <li>Describe Proposed or Completed Operations (Clearly state all pe drilled, give subsurface locations and measured and true vertical de</li> </ol>		s or star	rung any proposed work. If well is directionally					

The Operator requests approval to empty produced water into tanks on the listed locations. The produced water will then be transported by truck to the underground injection well NBU #159, located at NE/SW Section 35, T9S-R21E, for disposal. Furthermore, the Operator requests approval for the presence of small unlined pits, approximate dimensions of 7' x 7' x 4' deep, to be located immediately adjacent to the stock tanks on the listed locations. The small pits may be necessary to drain off water from the stock tanks at the time of condensate sales. The water will be emptied from the small pit and trucked to the NBU #159 disposal well. The volume of water to be disposed of at each facility will not exceed an average of 5 barrels per day on a monthly basis, in conformance with the requirements of Onshore Order #7.

The listed locations include all wells listed in a Request to Dispose Water sundry dated 10/11/96, as well as all wells drilled to date in the Operator's 1997 drilling program in the Natural Buttes field.

Accepted by the State of Utah Division of 303-670-3077 Oil, Gas and Mining 14. I hereby certify that the foregoing is true and correct Senior Environmental Analyst 10/28/97 Bonnie Carson (This space for Federal or State office use) APPROVED BY Conditions of approval, if any: knowingly and willfully to make to any department or agency of the United States any false, ficticious or fraudulent statements or Title 18 U.S.C. Section 1001, makes it apcrime for any person representations as to any matter within its jurisdiction.

Well Name & No.	API No.	Lease Designation	If Indian,	Footages	Qtr/Qtr	Section	Township	Range	Field	County
		& Serial Number	Allottee or				•			*
		_	Tribe Name							
CIGE #105D-1-10-22E	43-047-31758	U-011336	N/A	842' FNL & 2095' FWL	NENW	1	10	22	Natural Buttes	Uintah
CIGE #114-34-9-21	43-047-31915	ST U-01194-A	N/A	1931' FSL & 535' FEL	NESE	34	9	. 21	Natural Buttes	Uintah
CIGE #118-35-9-22	43-047-32025	U-010954-A	N/A	2116' FSL & 615' FEL	NESE	35	9	22	Natural Buttes	Uintah
CIGE #124-9-9-21	43-047-32045	U-01188	Ute Tribe Surface	1854' FSL & 1819' FEL	NWSE	9	9	21	Natural Buttes	Uintah
· CIGE #129-18-9-21	43-047-32043	U-0581	Ute Tribe Surface	928' FNL & 1837' FWL	NENW	18	9	21	Natural Buttes	Uintah
· CIGE #130-19-9-21	43-047-32030	U-0581	Ute Tribe Surface	772' FNL & 714' FEL	NENE	19	9	21	Natural Buttes	Uintah
CIGE #140-16-10-21	43-047-31977	ST ML-10755	N/A	380' FNL & 591' FEL	NENE	16	10	21	Natural Buttes	Uintah
CIGE #144-2-10-22	43-047-32022	ST ML-22651	N/A	1501' FNL & 1719' FEL	SWNE	2	10	22	Natural Buttes	Uintah
CIGE #149-8-10-21	43-047-32056	U-01791	N/A	833' FNL & 2011' FEL	NWNE	8	10	21	Natural Buttes	Uintah
° CIGE #161-2-10-22	43-047-32168	ST ML-22651	N/A	297' FSL & 1033' FEL	SESE	2	10	22	Natural Buttes	Uintah
· CIGE #164-34-9-22	43-047-32353	U-0149077	N/A	660' FNL & 1739' FWL	NENW	34	9	22	Natural Buttes	Uintah
CIGE #178-5-10-22	43-047-32330	U-01195	N/A	926' FWL & 685' FNL	NWNW	5	10	22	Natural Buttes	Uintah
CIGE #180-16-9-21	43-047-32478	ST ML-3141	N/A	333' FSL & 2557' FWL	SESW	16	9	21	Natural Buttes	Uintah
CIGE #183-20-9-21	43-047-32656	U-0575	Ute Tribe Surface	1725' FSL & 2386' FEL	SWSE	20	9	21	Natural Buttes	Uintah
CIGE #187-13-10-20	43-047-32607	U-4485	N/A	900' FNL & 2200' FWL	NENW	13	10	20	Natural Buttes	Uintah
CIGE #189-29-9-22	43-047-328103		N/A	1574' FNL & 720' FWL	SWNW	29	9	22	Natural Buttes	Uintah
CIGE #194-1-10-22	43-047-32932	USA U-011336	N/A	2017' FNL & 61' FWL	SWNW	1	10	22	Natural Buttes	Uintah
· CIGE #197-7-9-21	43-07-32798	U-0149747	N/A	854' FNL & 2178' FEL	NWNE	7	9	21	Natural Buttes	Uintah
· CIGE #198-9-9-21	43-047-32799	U-01188	Ute Tribe Surface	2502' FSL & 772' FEL	NESE	9	9	21	Natural Buttes	Uintah
CIGE #199-14-9-21	43-047-32801	U-01193	Ute Tribe Surface	959' FNL & 1760' FWL	NENW	14	9	21	Natural Buttes	Uintah
. CIGE #200-16-9-21	43-047-32802	U-38409	Ute Tribe Surface	1950' FNL & 2500' FWL	SENW	16	9	21	Natural Buttes	Uintah
CIGE #201-18-9-21	43-047-32804	U-0575	Ute Tribe Surface	1814' FNL & 944' FEL	SENE	18	9	21	Natural Buttes	Uintah
· CIGE #202-21-9-21	43-047-32805	U-0575	Ute Tribe Surface	785' FSL & 471' FEL	SESE	21	9	21	Natural Buttes	Uintah
· CIGE #204-35-9-21	43-047-32794	ML-22582	N/A	2055' FNL & 1604' FEL	SWNE	35	9	21	Natural Buttes	Uintah
CIGE #205-1-10-21	43-047-32795	ML-23612	N/A	2110' FNL & 2607' FEL	SWNE	1	10	21	Natural Buttes	Uintah
CIGE #221-36-9-22	43-047-32868	ML-22650	N/A	550' FSL & 514' FEL	NESW	13	9	21	Natural Buttes	Uintah
· CIGE #235-25-9-21	43-047-32858	U-01194-ST	N/A	1900' FSL & 1800' FEL	NWSE	25	9	21	Natural Buttes	Uintah
CIGE #236-34-9-21	43-047-32861	U-01194-A-ST	N/A	428' FSL & 882' FEL	SESE	34	9	21	Natural Buttes	Uintah
CIGE #23-7-10-22	43-047-30333	ST ML-23609	N/A	1573' FNL & 1024' FEL	SENE	7	10	22	Natural Buttes	Uintah
CIGE #25-34-9-22	43-047-30737	U-0149077	N/A	2037' FNL & 1608' FWL	SENW	34	9	22	Natural Buttes	Uintah
CIGE #3-32-9-22	43-047-30320	ST ML-22649	N/A	2270' FNL & 900' FEL	SENE	32	9	22	Natural Buttes	Uintah
CIGE #43-14-10-22	43-047-30320	U-01197-A-ST	N/A	1437' FWL & 1416' FNL	NW	14	10	22	Natural Buttes	Uintah
CIGE #59-21-10-21	43-047-30548	U-02278	N/A	809' FSL & 1081' FWL	SWSW	21	10	21	Natural Buttes	Uintah
CIGE #6-19-9-21 (GR)	43-047-30348	U-0581	N/A	1122' FSL & 1542' FEL	SWSE	19	9	21	Natural Buttes	Uintah
CIGE #63D-29-9-22P	43-047-30330	U-462	N/A	521' FNL & 977' FWL	NWNW	29	9	22	Natural Buttes	Uintah
CIGE #9-36-9-22	43-047-30419	ST ML-22650	N/A	2090' FSL & 1852' FEL	NWSE	36	9	22	Natural Buttes	Uintah
CIGE #97D-31-9-22	43-047-31729	U-01530-A-ST	N/A	548' FSL & 907' FEL	SESE	31	9	22	Natural Buttes	Uintah
Morgan State #10-36	43-047-32816	ML-22265	N/A	1794' FNL & 649' FEL	SENE	36	9	21	Natural Buttes	Uintah
Morgan State #11-36	43-047-32813	ML-22265	N/A	1943' FSL & 1843' FEL	NESW	36	9	21	Natural Buttes	Uintah
Morgan State #12-36	43-047-32814	ML-22265	N/A	1992' FSL & 722' FEL	NESE	36	9	21	Natural Buttes	Uintah
Morgan State #13-36	43-047-32817	ML-22265	N/A	540' FSL & 815' FEL	SESE	36	9	21	Natural Buttes	Uintah
Morgan State #2-36	43-047-32585	ST ML-22265	N/A	900' FNL & 804' FWL	NWNW					
Morgan State #4-36	43-047-32729	ST ML-22265	N/A	1912' FSL & 649' FWL	NWSW	36	9	21	Natural Buttes	Uintah
Morgan State #5-36	43-047-32729	ST ML-22265	N/A N/A	2100' FSL & 1800' FEL	NWSE	36	9		Natural Buttes Natural Buttes	Uintah
								21		Uintah
Morgan State #8-36 Morgan State #9-36	43-047-32812	ML-22265	N/A N/A	650' FNL & 690' FEL	NENE	36	9	2!	Natural Buttes	Uintah
	43-047-32815	ML-22265		1894' FNL & 1978' FEL	SWNE	36		21	Natural Buttes	Uintah
NBU #105	43-047-32302 43-047-31931	U-0575	N/A N/A	1026' FSL & 1011' FWL	SWSW	17	9	21	Natural Buttes	Uintah
NBU #113 NBU #118		U-0149077	Ute Tribe Surface	580 FSL & 854' FEL	SESE	34	9	22	Natural Buttes	Uintah
NBU #118	43-047-31969 43-047-30119	U-5077-B	N/A	1700' FNL & 660' FEL	SENE	22	9	20	Natural Buttes	Uintah
NBU #12	143-047-30119	U-461	IN/A	1563' FSL & 2328' FEL	NWSE	18	9	22	Natural Buttes	Uintah

NBU #121	43-047-32086	UTU-01193	Ute Tribe Surface	819' FNL & 2163' FEL	NWNE	13	9	21	Natural Buttes	Uintah
NBU #123_	43-047-31974	U-01188	N/A	827' FNL & 916' FWL	NWNW	15	9	21	Natural Buttes	Uintah
NBU #131	43-047-31966	U-0149075	Ute Tribe Surface	1699' FSL & 800' FWL	NWSW	23	9	21	Natural Buttes	Uintah
NBU #134	43-047-32011	U-0576	N/A	138' FSL & 836' FWL	swsw	28	9	21	Natural Buttes	Uintah
NBU #140	43-047-31947	U-01191-A	N/A	1031' FNL & 1879' FEL	NWNE	5	10	22	Natural Buttes	Uintah
NBU #148	43-047-31983	U-01191	N/A	279' FSL & 2127' FWL	SESW	4	10	22	Natural Buttes	Uintah
NBU #150	43-047-31992	U-01196-B	N/A	2042' FNL & 2002' FWL	SENW	9	10	22	Natural Buttes	Uintah
NBU #152	43-047-31990	U-01196-D	N/A	815' FSL & 754' FEL	SESE	9	10	22	Natural Buttes	Uintah
NBU #153	43-047-31975	ST U-01197-A	N/A	2500' FNL & 974' FWL	SWNW	11	10	22	Natural Buttes	Uintah
NBU #18	43-047-30221	U-025187	N/A	2401' FWL & 2337' FSL	SWNE	10	10	22	Natural Buttes	Uintah
NBU #180	43-047-32113	U-025187	N/A	843' FSL & 2075' FEL	SWSE	10	10	22	Natural Buttes	Uintah
NBU #182	43-047-32162	U-0141315	N/A	1809' FNL & 1519' FWL	SENW	11	9	21	Natural Buttes	Uintah
NBU #185	43-047-32171	U-01191-A	N/A	2132' FNL & 2126' FEL	SWNE	3	10	22	Natural Buttes	Uintah
NBU #187	43-047-32230	U-0149077	N/A	1057' FSL & 2321' FWL	SESW	34	9	22	Natural Buttes	Uintah
NBU #188	43-047-32234	U-01196-C	N/A	699' FWL & 1248' FSL	SWSW	10	10	22	Natural Buttes	Uintah
NBU #189	43-047-32236	U-0149075	Ute Tribe Surface	1551' FWL & 1064' FSL	SESW	23	9	21	Natural Buttes	Uintah
NBU #198	43-047-32357	U-010950-A	N/A	2041' FEL & 2107' FSL	NWSE	22	9	21	Natural Buttes	Uintah
NBU #201	43-047-32364	U-0149767	Ute Tribe Surface	2310' FNL & 500' FWL	SWNW	9	9	21	Natural Buttes	Uintah
NBU #206	43-047-32341	U-01196-C	N/A	2209' FNL & 303' FWL	SWNW	10	10	22	Natural Buttes	Uintah
NBU #207	43-047-32329	ST U-01197	N/A	912' FNL & 1685' FWL	NENW	10	10	22	Natural Buttes	Uintah
NBU #208	43-047-32343	U-01191	N/A	790' FSL & 569' FEL	SESE	4	10	22	Natural Buttes	Uintah
NBU #210	43-047-32340	U-01196-C	N/A	1956' FSL & 2060' FWL	NESW	10	10	22	Natural Buttes	Uintah
NBU #216	43-047-32487	U-010950-A	Ute Tribe Surface	1875' FSL & 1665' FWL	NESW	15	9	21	Natural Buttes	Uintah
NBU #223	43-047-32517	U-01194-ST	N/A	514' FNL & 2174' FWL	NENW	26	9	21	Natural Buttes	Uintah
NBU #228	43-047-32636	U-0575	Ute Tribe Surface	660' FSL & 1843' FEL	SWSE	17	9	21	Natural Buttes	Uintah
NBU #229	43-47-32594	U-01191-A	N/A	1019' FNL & 1712' FEL	NWNE	3	10	22	Natural Buttes	Uintah
NBU #230A	43-047-32908	U-01191-A	N/A	1849' FNL & 677' FEL	SENE	3	10	22	Natural Buttes	Uintah
NBU #231	43-047-32561	U-01191-A-ST	N/A	966' FNL & 1539' FEL	NWNE	10	10	22	Natural Buttes	Uintah
NBU #252	43-047-32800	U-0141315	Ute Tribal Surface	641' FNL & 1845' FWL	NENW	10	9	21	Natural Buttes	Uintah
NBU #254	43-047-32803	U-0575	Ute Tribal Surface	1840' FNL & 2014' FWL	NESW	17	9	21	Natural Buttes	Uintah
NBU #255	43-047-32806	U-0575	Ute Tribal Surface	642' FSL & 1235' FWL	SESW	21	9	21	Natural Buttes	Uintah
NBU #256	43-047-32807	U-0147566	Ute Tribal Surface	2213' FNL & 2312' FWL	SENW	22	9	21	Natural Buttes	Uintah
NBU #257	43-047-32790	ST U-01194	N/A	1756' FNL & 2150' FWL	SENW	25	9	21	Natural Buttes	Uintah
NBU #258	43-047-32791	ST U-01194	N/A	1880' FNL & 211' FEL	SENE	26	9	21	Natural Buttes	Uintah
NBU #259	43-047-32792	ST U-01194	N/A	2300' FNL & 1850' FEL	SWNE	26	9	21	Natural Buttes	Uintah
NBU #263	43-047-32793	ST U-01194-A	N/A	1641' FNL & 1832' FWL	SENW	34	9	21	Natural Buttes	Uintah
NBU #265	43-047-32796	ML-13826	N/A	1953' FSL & 632' FEL	NESE	2	10	21	Natural Buttes	Uintah
NBU #270	43-047-32862	ML-23608	N/A	1963' FNL & 801' FWL	SWNW	13	10	21	Natural Buttes	Uintah
NBU #280	43-047-32865	ML-32935-A	- N/A	2596' FSL & 1459' FWL	NESW	31	9	22	Natural Buttes	Uintah
NBU #289	43-047-32910	U-01191	N/A	463' FSL & 2023' FWL	SESW	3	10	22	Natural Buttes	Uintah
NBU #291	43-047-32911	U-1196-D	N/A	457' FNL & 570' FEL	NENE	9	10	22	Natural Buttes	Uintah
NBU #38N2	43-047-30536	U-08512-ST	N/A	1752' FWL & 1768' FSL	CSW	13	10	22	Natural Buttes	Uintah
NBU #80V	43-047-31240	U-0149077	N/A	2042' FSL & 984' FWL	NWSW	34	9	22	Natural Buttes	Uintah
NBU #86J	43-047-31251	U-01191-A	N/A	492' FNL & 722' FEL	NENE	3	10	22	Natural Buttes	Uintah

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

	DIVISION OF OIL, GAS AND	MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDR	Y NOTICES AND REPOR	RTS ON WELLS	6. IF INDIAN, ALLOTTER TRATIBE NAME:
	li tre man tre distrib	thelle or hold of the second college of the	7. UNR OF CA AGREEM STERAME:
drill horizontal	laterals. Use APPLICATION FOR PERMIT TO DR	w corrent bottom-hole depth, reenter plugged wells, or to ILL form for such proposals.	
TYPE OF WELL OIL WELL	GAS WELL OTHE	R	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:	<del></del>		Exhibit "A"  9. API NUMBER:
	o Production Oil & Gas		
3. ADDRESS OF OPERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
South 1200 East of Location of Well	TY Vernal STATE Utah	ZIP 84078   435-789-4433	
FOOTAGES AT SURFACE:			COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN:		STATE: UYAH
1. CHECK APP	ROPRIATE BOXES TO INDIC	ATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	·
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	MEW CONSTRUCTION	TEMPORARILY AS ANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
] avaccougues=====	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	L PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATION CONVERT WELL TYPE	NS RECLAMATION OF WELL.SITE  RECOMPLETE - DIFFERENT FORMATION	X OTHER: Name Change
		all perlinent details including dates, depths, volur	
As a result of	the merger between The	Coastal Corporation and	a wholly owned
subsidary of El	Paso Energy Corporati	on, the name of Coastal.	Oil & Gas Corporation
has been change	d to El Paso Productio	on Oil & Gas Company effe	ective March 9, 2001.
· ·			
	See	Exhibit "A"	
Rond # 400JU070	)8		
Bonu #	al Oil & Gas Corporati	on	
AME (PLEASE PRINT) John		TITLEVice_Presion	lent
		0: 15.01	
GNATURE		DATE 06-15-01	
El Pa	so Production Oil & Ga		
HAME (PLEASE PRINT) John	TEzner	TITLE Vice President	dent
SIGNATURE		DATE 06-15-01	
SIGNATURE 2		UATE 70 70	
is space for State use only)			E - F - F - F - F - F - F - F - F - F -
			FIVE

JUT 19 2001

## State of Delaware

## Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

IUN 18 2001

DIVISION OF DIL, GAS AND MINING

Warriet Smith Windson, Secretary of State

AUTHENTICATION: 1061007

DATE: 04-03-01

0610204 8100

010162788

## , , ,

### CERTIFICATE OF AMENDMENT

### OF

### CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

David L. Siddall Vice President

Attest:

Margaret E. Roark, Assistant Secretary

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

IUN 19 2001



## United States Department of the Interior

### **BUREAU OF LAND MANAGEMENT**

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

## RECEIVED

JUL 1 2 2001

DIVISION OF OIL, GAS AND MINING

In Reply Refer To: 3106 UTSL-065841 (UT-924)

JUL 1 0 2001.

## **NOTICE**

El Paso Production Oil & Gas Company

Oil and Gas

Nine Greenway Plaza

Houston TX 77046-0095

## Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of <u>Coastal Oil & Gas Corporation</u> into <u>El Paso Production Oil & Gas Company</u> with <u>El Paso Production Oil & Gas Company</u> being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entitities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from <u>Coastal Oil & Gas Corporation</u> to <u>El Paso Production Oil & Gas Company</u>. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.

Opolonia L. Abeyta Acting Chief, Branch of Minerals Adjudication

### Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office

Vernal Field Office

MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217

\*State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114

Teresa Thompson (UT-922)

Joe Incardine (UT-921)

## **Exhibit of Leases**

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	
	·		

## Division of Oil, Gas and Mining

## **OPERATOR CHANGE WORKSHEET**

 1. GLH
 4-KAS

 2. CDW√
 5-LP√

 3. JLT
 6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

06/19/2001

608186-0143

06/21/2001

Operator Name Change (Only)

X Merger

FROM: (Old Operator):		<b>TO</b> : ( No	ew Operator):			
COASTAL OIL & GAS CORPORATION			PRODUCTIO	N OII & C	AS COM	PANY
Address: 9 GREENWAY PLAZA STE 2721	<del></del>		9 GREENWA			
riddioss. 5 Giddii will I bleat old bibl		radress.	y GREEDETT VI	11 1 22 12/11	01112721	TG(1 2) 73
HOUSTON, TX 77046-0995		HOUSTO	N, TX 77046-	0995		
Phone: 1-(713)-418-4635		Phone:	1-(832)-676-			
Account N0230		Account	N1845			
-		_				
	CA No.	Unit:	NATURAL	BUTTES	_	_
WELL(S)						
	API	1	SEC TWN	LEASE	WELL	WELL
NAME	NO	NO	RNG	TYPE	TYPE	STATUS
CIGE 96D-32-9-22	43-047-31730	2900	32-09S-22E	STATE	GW	P
CIGE 106D-32-9-22	43-047-31746	2900	32-09S-22E	STATE	GW	P
NBU 157	43-047-32007	2900	32-09S-22E	STATE	GW	P
NBU 161	43-047-32023	2900	32-09S-22E	STATE	GW	P
CIGE 173-32-9-22	43-047-32324	2900	32-09S-22E	STATE	GW	P
NBU 281	43-047-32866	2900	32-09S-22E	STATE	GW	P
NBU 282	43-047-32867	2900	32-09S-22E	STATE	GW	P
CIGE 190-32-9-22	43-047-32912	2900	32-09S-22E	STATE	GW	P
NBU CIGE 241-32-9-22	43-047-33208	2900	32-09S-22E	STATE	GW	P
NBU 5-36B	43-047-30272	2900	36-09S-22E	STATE	GW	P
NBU CIGE 9-36-9-22	43-047-30419	2900	36-09S-22E	STATE	GW	P
NBU CIGE 62D-36-9-22	43-047-30885	2900	36-09S-22E	STATE	GW	P
NBU 213-36J	43-047-31268	2900	36-09S-22E	STATE	GW	P
CIGE 162-36-9-22	43-047-32164	2900	36-09S-22E	STATE	GW	P
NBU 318-36E	43-047-32204	2900	36-09S-22E	STATE	GW	P
NBU 343-36E	43-047-32205	2900	36-09S-22E	STATE	GW	P
CIGE 221-36-9-22	43-047-32868	2900	36-09S-22E	STATE	GW	P
NBU CIGE 92D-13-10-20J	43-047-31162	2900	13-10S-20E	STATE	GW	P
NBU 74	43-047-31087	2900	24-10S-20E	STATE	GW	P
NBU CIGE 55-1-10-21	43-047-30512	2900	01-10S-21E	STATE	GW	P

(R649-8-10) Sundry or legal documentation was received from the NEW operator on:

Is the new operator registered in the State of Utah:

The new company has been checked through the Department of Commerce, Division of Corporations Database on:

YES

Business Number:

5.	If NO, the operator was contacted on:  N/A
6.	Federal and Indian Lease Wells: The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on:
7.	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001
8.	Federal and Indian Communization Agreements ("CA"): The BLM or the BIA has approved the operator change for all wells listed involved in a CA on:  N/A
9.	Underground Injection Control ("UIC") The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:  N/A
$\overline{\mathbf{D}}$	ATA ENTRY:
1.	Changes entered in the Oil and Gas Database on:  07/19/2001
2.	Changes have been entered on the Monthly Operator Change Spread Sheet on: 07/19/2001
3.	Bond information entered in RBDMS on: N/A
4.	Fee wells attached to bond in RBDMS on: N/A
ST	ATE BOND VERIFICATION:
1.	State well(s) covered by Bond No.:  400JU0705
FF	CDERAL BOND VERIFICATION:
1.	Federal well(s) covered by Bond No.:  N/A
FR	E WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:
	(R649-3-1) The <b>NEW</b> operator of any fee well(s) listed covered by Bond No:  N/A
	The <b>FORMER</b> operator has requested a release of liability from their bond on:  N/A  The Division sent response by letter on:  N/A
3.	(R649-2-10) The <b>FORMER</b> operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:
FI	LMING:
1.	All attachments to this form have been MICROFILMED on:
FI	LING:
	ORIGINALS/COPIES of all attachments pertaining to each individual well have been filled in each well file on:
	MMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso oduction Oil and Gas Company shall be retained in the "Operator Change File".

JAN. 17. 2003 3:34PM





NO. 173 P. 2



### WESTPORT OIL AND GAS COMPANY, L.P.

410 Seventeenth Street #2300 Deriver Colorado 60202-4436 Telephonet 303 573 5404 Fest: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE:

BLM Bond CO-1203

BLM Nationwide Bond 158626364 Surety - Continental Casualty Company

Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.

Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.

Assumption Rider - Westport Oil and Gas Company, L.P.

### Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.

Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc. Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.

List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely.

Westport Oil and Gas Company, L.P.

Black

Debby J. Black

Engineer Technician

Encl;



# United States Department of the Interior RECEIVED

### BUREAU OF LAND MANAGEMENT

FEB 2 2 2002

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

DIVISION OF OIL, GAS AND MINING

In Reply Refer To: 3106 UTU-25566 et al (UT-924)

FEB 2 1 2002

### **NOTICE**

Westport Oil and Gas Company L.P.

Oil and Gas

410 Seventeenth Street, #2300

.

Denver Colorado 80215-7093

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## Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of <u>Westport Oil</u> and <u>Gas Company, Inc.</u> into <u>Westport Oil</u> and <u>Gas Company, L.P.</u> with <u>Westport Oil</u> and <u>Gas Company, L.P.</u> being the surviving entity.

For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405 UTU-20895 UTU-25566 UTU-43156 UTU-49518 UTU-49519 UTU-49522 UTU-49523

> Robert Lopez Chief, Branch of Minerals Adjudication

cc: Moab Field Office Vernal Field Office

MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217 State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114 Teresa Thompson (UT-922) Joe Incardine (UT-921)

UNITED STATES GOVERNMENT

## memorandui

Uintah & Ouray Agency

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Date:

5 December, 2002

Reply to

Supervisory Petroleum Engineer

Subject:

Modification of Utah Division of Oil, Gas and Mining Regulations

To:

Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate you concern, and hope that these comments are timely enough for consideration in the revision process. liales H Common

CC:

Minerals & Mining Section of RES

Ute Energy & Mineral Resources Department: Executive Director chrono

3 . . . . . . . . . . . .



## United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240
FEB 1 0 2003

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

ACTING

Director, Office of Trust Responsibilities

**Enclosure** 



## United States Department of the Interior

# BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

IN REPLY REFER TO UT-922

February 27, 2003

Westport Oil and Gas Company, L.P. Attn: Gary D. Williamson 1670 Broadway, Suite 2800 Denver, Colorado 80202

Re:

Natural Buttes Unit Uintah County, Utah

### Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks Chief, Branch of Fluid Minerals

### Enclosure

bcc:

Field Manager - Vernal (w/enclosure)

SITLA

Division of Oil, Gas & Mining Minerals Adjudication Group

File - Natural Buttes Unit (w/enclosure)

Agr. Sec. Chron

Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 2 8 2003

DIV. OF OIL, GAS & MINING

## STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL GAS AND MINING

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER:  Exhibit "A"
2. NAME OF OPERATOR:	9. API NUMBER:
El Paso Production Oil & Gas Company	
3. ADDRESS OF OPERATOR:  9 Greenway Plaza	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL  FOOTAGES AT SURFACE:	COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)  ALTER CASING  FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS  OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)  CHANGE WELL NAME PLUG BACK	WATER DISPOSAL .
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	·
Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2 effective December 17, 2002.  BOND# State Surety Bond No. RLB0005236	
Fee Bond No. RLB0005238	RECEIVED
EL PASO PRODUCTION OIL & GAS COMPANY	FEB 2 8 2003
By: my ////	DIV. OF OIL. GAS & MINING
Jon R. Nelsen, Attorney-in-Fact	<u> </u>
WESTPORT OIL AND GAS COMPANY, L.P.  David R. Dix  Agent and Attor	
SIGNATURE DATE	<u></u>

(This space for State use only)

Form 3 160-5 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Joovember 30, 2000

5. Lease Serial No.

	Die et al			J. COMSC SELLIM	110.	
SUNDRY	NOTICES AND REPOR	TS ON WELLS			HED EXHIBIT "A"	
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.					lottee or Tribe Name	_
SUBMIT IN TRIPLICATE - Other instructions on reverse side					A/Agreement, Name and/or No	).
1. Type of Well  Oil Well Gas Well	Other			8. Well Name a	and No.	<del>-</del>
2. Name of Operator	LI Other	<del></del>			HED EXHIBIT "A"	
WESTPORT OIL & GAS CO	MDANY I D			9. API Well No		
3a. Address	ANI PANI, L.F.	3b. Phone No. (include	e area code)	J	HED EXHIBIT "A"	
P.O. BOX 1148 VERNAL, U	T 84078	(435) 781-7023	- 41 541 25457		ol, or Exploratory Area	
4. Location of Well (Footage, Sec.,				4		
	, , , , , , , , , , , , , , , , , , , ,	•		11. County of Pa	urish, State	_
SEE ATTACHED EXHIBIT	Α"			UINTAH CO	UNTY, UT	
12. CHECK APP	ROPRIATE BOX(ES) TO	INDICATE NATURE	OF NOTICE, I	EPORT, OR OT	HER DATA	_
TYPE OF SUBMISSION		ТҮР	E OF ACTION	١	<u> </u>	
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	Production		Water Shut-Off Well Integrity	
Subsequent Report	Casing Repair Change Plans	New Construction Plug and Abandon	Recomple	•	Other SUCCESSOR OF	
Final Abandonment Notice	Convert to Injection	Plug Back	Water Dis	-	OPERATOR	
13. Describe Proposed or Completed C If the proposal is to deepen directl Attach the Bond under which the following completion of the involve testing has been completed. Final determined that the site is ready for	onally or recomplete horizont work will be performed or pr red operations. If the operation Abandonment Notices shall	ally, give subsurface locati rovide the Bond No. on fil on results in a multiple cor	ons and measure with BLM/Bl appletion or rece	ed and true vertical A. Required subsempletion in a new	Il depths of all pertinent marks equent reports shall be filed w interval, a Form 3160-4 shall	ers and zo within 30 ( i be filed (
WESTPORT OIL & GAS COMP	ANY, L.P., IS CONSIDE	RED TO BE THE OP	ERATOR ON	THE ATTACH	ED DESCRIBED	
LANDS AND IS RESPONSIBLE	UNDER THE TERMS	AND CONDITIONS OF	THE LEASI	FOR THE OP	<b>ERATIONS</b>	
CONDUCTED ON THE LEASE	D LANDS OR PORTION	S THEREOF, BOND	COVERAGE	FOR THIS WEI	LL IS PROVIDED	
BY FEDERAL NATIONWIDE BO	OND NO. 158626364, El	FFECTIVE FEBRUAR	Y 1, 2002, A	ND BIA NATIO	WIDE	
BOND NO. RLB0005239, EFFE	CTIVE FEBRUARY 10,	2003.				
					RECEIVED	)
! !					MAR 0 4 2003	
					DIVERSION CAS I MIL	JIAILG

14. I hereby certify that the foregoing is true and correct		DW: OF OH	CAS & MINIA
Name (Printed/Typed)	Title		
CHERYL CAMERON	OPERATIONS		
Signature Camelon)	March 4, 2003		
THIS	SPACE FOR FEDERAL OR STATE L	se as	
Approved by	Title	Date	
Conditions of approval, if any, are attached Approval of this notice certify that the applicant holds legal or equitable title to those rights which would entile the applicant to conduct operations thereon.			
Title 18 U.S.C. Section 1001, make it a crime for any perfulse, fletitious or fraudulent statements or representations	rson knowingly and willfully to make to	my department or agency of the United	States any

## **OPERATOR CHANGE WORKSHEET**

## ROUTING

1. GLH 2. CDW 2 3. FILE

## Designation of Agent/Operator

## X Change of Operator (Well Sold)

4. Is the new operator registered in the State of Utah:

5. If **NO**, the operator was contacted contacted on:

Operator Name Change

Merger

FROM: (Old Operator):		TO: ( New O	perator):			
L PASO PRODUCTION OIL & GAS COMPANY		WESTPORT OIL & GAS COMPANY LP				
Address: 9 GREENWAY PLAZA		Address: P O E		001/11/11		
IOUSTON, TX 77064-0995		VERNAL, UT				
hone: 1-(832)-676-5933		Phone: 1-(435)				
ccount No. N1845		Account No.	N2115			
CA	No.	Unit:	NATURA	L BUTTES		
VELL(S)						
	SEC TWN	API NO	ENTITY	LEASE	WELL	WELL
IAME	RNG		NO	TYPE	TYPE	STATUS
BU CIGE 89D-32-9-22J	34-09S-22E	43-047-31146	2900	FEDERAL	GW	P
BU 80V	34-09S-22E	43-047-31240	2900	FEDERAL	GW	P
IGE 117-34-9-22	34-09S-22E	43-047-31928	2900	FEDERAL	GW	P
BU 187	34-09S-22E	43-047-32230	2900	FEDERAL	GW	P
IGE 164-34-9-22	34-09S-22E	43-047-32353	2900	FEDERAL	GW	P
BU 237	34-09S-22E	43-047-32916	2900	FEDERAL	GW	PA
BU 16	34-09S-22E	43-047-30209	2900	FEDERAL	GW	PA
BU 4-35B	35-09S-22E	43-047-30273	2900	FEDERAL	GW	P
IGE 8-35-9-22	35-09S-22E	43-047-30427	2900	FEDERAL	GW	P
BU CIGE 68D-35-9-22P	35-09S-22E	43-047-30951	2900	FEDERAL	GW	P
IGE 118-35-9-22	35-09S-22E	43-047-32025	2900	FEDERAL	GW	P
IGE 153-35-9-22	35-09S-22E	43-047-32067	2900	FEDERAL	GW	P
BU 331-35E	35-09S-22E	43-047-32147	2900	FEDERAL	GW	P
BU 342-35E	35-09S-22E	43-047-32212	2900	FEDERAL	GW	P
IGE 193-35-9-22	35-09S-22E	43-047-32973	2900	FEDERAL	GW	P
IGE 186-35-9-22	35-09S-22E	43-047-32590	2900	FEDERAL	GW	TA
BU 216-35	35-09S-22E	43-047-31284	2900	FEDERAL	GW	PA
IGE 162-36-9-22	36-09S-22E	43-047-32164	2900	STATE	GW	P
BU 5-36B		43-047-30272		STATE	GW	P
BU CIGE 9-36-9-22	36-09S-22E	43-047-30419	2900	STATE	GW	P
PERATOR CHANGES DOCUMENTATIO  nter date after each listed item is completed	ON					

YES

Business Number:

 $1\underline{355743-018}1$ 

6. (	(R649-9-2)Waste Management Plan has been received on:	IN PLACE						
7.	Federal and Indian Lease Wells: The BLM an or operator change for all wells listed on Federal or India	· · · · · · · · · · · · · · · · · · ·	pproved th -12/31/2003		name c IA-12/5/	_		٠
8.	Federal and Indian Units:  The BLM or BIA has approved the successor of unit or	perator for wells liste	d on: <u>0</u>	2/27/2003	e e e			·
9.	Federal and Indian Communization Agreer The BLM or BIA has approved the operator for all we	` ,	on:	N/A	·			
10	o. Underground Injection Control ("UIC")  for the enhanced/secondary recovery unit/project for the	The Division has a water disposal well(		C Form 5, T	ransfer N/A	of Auth	ority t	to Inject,
$\overline{\mathbf{r}}$	ATA ENTRY:			-	1	1		
1.	Changes entered in the Oil and Gas Database on:	03/18/2003						
2.	Changes have been entered on the Monthly Operator C	Change Spread Shee	t on: <u>0</u>	3/18/2003	•4			
3.	Bond information entered in RBDMS on:	N/A						
4.	Fee wells attached to bond in RBDMS on:	N/A			* * * * *			×.
SI	TATE WELL(S) BOND VERIFICATION:							
1.		RLB 0005236						
FI	EDERAL WELL(S) BOND VERIFICATION	:				* +		
1.	Federal well(s) covered by Bond Number:	158626364						
IN	DIAN WELL(S) BOND VERIFICATION:			<u></u>	1 1 1			
1.	Indian well(s) covered by Bond Number:	RLB 0005239			, * v	- •		4.
F	EE WELL(S) BOND VERIFICATION:					71		
1.	(R649-3-1) The <b>NEW</b> operator of any fee well(s) listed	covered by Bond Nu	mber RI	LB 0005238				
2.	The <b>FORMER</b> operator has requested a release of liabilithe Division sent response by letter on:	ty from their bond on N/A	:	N/A			*	
	EASE INTEREST OWNER NOTIFICATION (R649-2-10) The FORMER operator of the fee wells has of their responsibility to notify all interest owners of this	s been contacted and i	informed by	a letter fron	the Divi	ision		
C	OMMENTS:							
_								

Form 3160-5 (August 1999);

# UNITED STATES DEPARTMENT OF THE INTERIOR

#### FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

. DUR	EAU OF LAND MANAU	EIMEN I		5. Lease Serial No.		
SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.				Multiple Wells - see attached		
				6. If Indian, Allottee or Tribe Name		
	CATE – Other instru	ctions on reverse	side	7. If Unit or CA/Agreement, Name and/or No. 891008900A		
Type of Well Oil Well Gas Well Other  Name of Operator				Well Name and No.  Multiple Wells - see attached		
WESTPORT OIL & GAS COM	PANY, L.P.			9. API Well No.		
3a. Address	,	3b. Phone No. (include	area code)	Multiple Wells - see attached		
P.O. BOX 1148 VERNAL, UT 84078 (435) 781-				10. Field and Pool, or Exploratory Area		
4. Location of Well (Footage, Sec., T.,	R., M., or Survey Description)			Natural Buttes Unit		
Multiple Wells - see attached				11. County or Parish, State		
93 DE 36	43	3047 30419		Uintah County, UT		
12. CHECK A	PPROPRIATE BOX(ES) TO	INDICATE NATURE	OF NOTICE, RE	EPORT, OR OTHER DATA		
TYPE OF SUBMISSION		TY	PE OF ACTION			
Notice of Intent  Subsequent Report  Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Production ( Reclamation Recomplete Temporarily Water Dispo	Other		
If the proposal is to deepen directional Attach the Bond under which the wor following completion of the involved	Illy or recomplete horizontally, g k will be performed or provide operations. If the operation rest pandonment Notices shall be file	ive subsurface locations and the Bond No. on file with alts in a multiple completion	d measured and tru BLM/BIA. Requing or recompletion	ny proposed work and approximate duration thereof. we vertical depths of all pertinent markers and zones. red subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once amation, have been completed, and the operator has		

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part IIIC.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well

condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life	of the well.
The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determ of a representative sample from the field. The sample shrunk from 98.82% of oringinal volume to 98.52% when the pressure was dropped.	•
The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per	
month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing	
and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached	ed.
Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owner.	ers.
14. I hereby certify that the foregoing is true and correct	Market Bay St.
J.T. Conley Operations Manager	SEP 1 0 2003
Signature Signature CHO Date 9-2-2003	FOIL GASR MINIO
THIS SPACE FOR FEDERAL OR STATE USE	- Of This
Approved by  Title  Utah Division of Date Oil, Gas and Mining	derai Approval Of This Action Is Necessary
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  Office  Office  Date:	
Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and militure to any department or gency of the Unfalse, fictitious or fraudulent statements or representations as to any matter within its jurisation.	nited States any
(Instructions on reverse)	

	rt Oil & Gas, L.P.	_						
Project Instructions	Economics Workshe	areas with before an	ed after arcicat	lata The ave	-1 11			1
manochor:		low and graphed auton	, .			_		ľ
	is protected to	o prevent accidental alt	eration of the fo	mulas, See J	ITC for change			İ
	OPX entered	as annual costs and/or o	as unit OPX costs	tor \$/BF and	\$/MCF			
Project Na	me: Condensate	Shrinkage Economics					]	
ا ,	Abla lab a suali a di an ana di sa	#			<u> </u>		-	
 	this job a well pull or produc	fion rig job ??? N BEFORE	(Y or N) AFTER	r	DIFFERENCE			
		\$/Year	\$/Year		\$/Year			\
	Gross Oil Revenue	\$1,088	\$1,099		\$1 i			
	Gross Gas Revenue NGL Revenue	\$0	\$0		\$0			
	PULING UNIT SERVICE	\$0	_\$0		\$0 \$0			
	WIRELINE SERVICE				\$0			
	SUBSURF EQUIP REPAIRS				\$0			
	COMPANY LABOR CONTRACT LABOR	\$0	\$200	_	\$0 \$200			
	CONTR SERVICE	<del></del>	4250		\$0			ļ
	LEASE FUEL GAS	\$0	\$0		\$0			
	UTILITIES - ELECTRICITY	\$0	\$0		\$0			
	CHEMICAL TREATING MATERIAL & SUPPLY	\$0	\$150	-	\$0 \$150			
	WATER & HAULING	<del> </del>	7130	-	\$0			
	ADMINISTRATIVE COSTS			l 🗀	\$0			
	GAS PLANT PROCESSING		£350		\$0	Ineras 1	OBV Des Vac	
[	Totals	\$0	\$350		\$350	increased	OPX Per Year	
	Investment Breakdown:							
	Сар/Ехр		Oil Price	\$ 23.00 \$/				
	Code Capital \$ 820/830/840	Cost, \$	Gas Price Electric Cost	\$ 3.10 \$/ \$ - \$				
	Expense \$ 830/860	\$1,200	OPX/BF	\$ 2.00 \$/	/HP/day /BF			
	Total \$	\$1,200	OPX/MCF	\$ 0.62 \$/				
	Production & OPX Deta	ili; Before	After	D	ifference		•	
	Oil Production	0.192 BOPD	0.194		0.002	SOPD		٠.
	Gas Production	0 MCFPD	0	_		MCFPD		
	Wtr Production	0 BWPD	0	BWPD	0	SWPD		· . I
	Horse Power	HP		HP	0			
	Fuel Gas Burned	MCFPD		MCFPD		MCFPD		
							_	
	Project Life:	60 0 ly		Payout Cak	culation:			
	Life :	<b>20.0</b> Years to longer than 20 years)		Payout =	To	tal Investme	ent =1	
	(alo	o longer man 20 years,		-	Sum(OPX +			
	Internal Rate of Return:	#5111/01						
	Affer Tax IROR	#DIV/0!		c - i			w equals investment	
}	AT Cum Cashflow:			See graph t	Joiow, Hote ye	MIS WITELL	asninow reaches zero	
	Operating Cashflow =	(\$2,917) (Discou	nted @ 10%)	Payout =	NEVER	Years or	#VALUE! Days	
				_				
	Gross Reserves: Oil Reserves =	6 BO						
	Gas Reserves =	0 MCF						
	Gas Equiv Reserves =	38 MCFE						
Notes/Ass	umptons:			•	•			
110103,7433	An average NBU well prod	uces 0.192 Bapa with no	tank pressure. Th	ne production	n is increased	to 0.196 Bc	pd if 6 ozs of pressure	
	are placed on the tank. The							_
		Project: Conde	nsate Shrinkage I	Economics				
	\$0 +	+ + + +			- : : : -	+ +	+ + + +	<b>─</b>
	<b>*</b> 0 T	i i i i		\ \ \	: [	: :		
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	(\$500) (\$1,000) (\$1,500) (\$2,000) (\$2,500)	3 4 5 6	7 8 9				16 17 18 19	20

## Westport Oil and Gas, Inc. NBU/Ouray Field

RFL 2003-022

## **COMPARISON OF FLASH BACK PRESSURES**

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio	Specific Gravity of	Separator Volume	Separator Volume
		(scf/STbbl)	Flashed Gas	Factor	Percent
psig	°F	(A)	(Air=1.000)	(B)	(C)
Calculated	i at Labora	tory Flash Cond	itions		
80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0		1.000	98.14%
Calculated	l Flash witi	h Backpressure	using Tuned EOS	S	
80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0		1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0		1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0		1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0		1.000	98.52%

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

<sup>(</sup>A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

<sup>(</sup>B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

<sup>(</sup>C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

## ALL WELLS ROCKY MOUNTIAN GAS-NBU ENARDO VARIANCE

WELL	LEGALS	STFLEASENO	CANUMBER	APINO
CIGE 003	32-9-22 SENE	ML22649	891008900A	430473032000\$1
CIGE 004	9-10-21 NESE	UTU01416	891008900A	43047303340081
CIGE 005	31-9-22 NWSE	U01207A	891008900A	430473033500S1 V
CIGE 006	19-9-21 SWSE	U0581	891008900A	430473035600S1
CIGE 007	8-10-21 NENW	UTU01791	891008900A	430473035800\$1
CIGE 008	35-9-22 SWSE	UTU010954A	891008900A	43047304270081
CIGE 009 CIGE 010	36-9-22 NWSE 2-10-22 NWSE	ML22650	891008900A	430473041900S1 <b>/</b>
CIGE 010	14-9-20 SWSE	ML22651 UTU0577A	891008900A 891008900A	430473042500S1 430473042400S1
CIGE 011GR	14-9-20 SWSE	UTU0577A	891008900A	430473042400S1
CIGE 013	7-10-21 NESE	UTU02270A	891008900A	430473042000S1
CIGE 014	9-10-22 NESW	UTU01196B	891008900A	430473048400\$1
CIGE 018	2-10-21 NWNE	ML22652	891008900A	430473047100\$1 🗸
CIGE 019	16-9-21 SWSW	ML3141A	891008900A	430473045900S1
CIGE 020 CIGE 022	20-10-21 SESW	UTU02278	891008900A	430473048500\$1
CIGE 022 CIGE 023	15-9-20 SENW 7-10-22 SESE	UTU0144868	891008900A	430473049700S1
CIGE 023	29-9-22 SESW	ML23609 U01207	891008900A 891008900A	430473033300S1 430473049300S1
CIGE 025	34-9-22 SENW	UTU0149077	891008900A	430473073700\$1
CIGE 027	33-9-22 NENW	UTU01191A	891008900A	430473073800\$1
CIGE 028	35-9-21 NESE	ML22582	891008900A	430473073900S1 🗸
CIGE 030	6-10-21 NENW	UTU01791	891008900A	430473049800S1
CIGE 031	1-10-22 SWNW	U011336	891008900A	430473051100S1
CIGE 032A	20-9-20 NESW	UTU01567A	891008900A	430473049600S1
CIGE 034	13-10-20 SWNE	UTU02270A	891008900A	430473050800S1
CIGE 035	1-10-20 NESW	UTU02270A	891008900A	430473049400\$1
CIGE 036D CIGE 037D	32-9-22 NWNW 21-9-21 SWSE	ML22649	891008900A	430473083300S1 🗸
CIGE 037D	4-10-21 SWSE	UTU0576 U01416	891008900A	430473091000S1
CIGE 040	3-10-21 NESW	UTU0149078	891008900A 891008900A	430473049500S1 430473074000S1
CIGE 042	25-9-21 SWSE	U04139	891008900A	430473049200S1
CIGE 043	14-10-22 SENW	U01197A	891008900A	430473049100S1 V
CIGE 044	9-9-21 SESE	UTU01188	891008900A	430473052700S1
CIGE 045	15-9-21 NESE	UTU01193	891008900A	430473052800S1
CIGE 046	21-9-21 NENE	UTU0576	891008900A	430473052900S1
CIGE 047	14-10-21 NWSE	UTU01393C	891008900A	430473051000S1
CIGE 048 CIGE 051D	15-10-21 SWNE 31-9-22 NENE	UTU01416A U01191	891008900A	430473050600S1
CIGE 0575	5-10-22 SENW	UTU01195	891008900A 891008900A	430473088900S1 430473053100S1
CIGE 053	6-10-22 NESW	UTU01195	891008900A	430473053300S1
CIGE 054D	35-9-21 NENE	ML22582	891008900A	430473085100S1 ✓
CIGE 055	1-10-21 SENW	ML23612	891008900A	430473051200S1
CIGE 056	34-9-21 SWSE	U01194A	891008900A	430473053000S1 🗸
CIGE 057	10-10-21 NENE	UTU0149079	891008900A	430473054300S1
CIGE 058	16-10-21 SESE	ML10755	891008900A	430473053200S1
CIGE 060 CIGE 061	14-9-21 SENW 13-9-21 SENW	UTU01193 U01193	891008900A 891008900A	430473054900S1
CIGE 062D	36-9-22 NWSW	ML22650	891008900A	430473055000S1 430473088500S1 ✓
CIGE 063D	29-9-22 NWNW	UTU462	891008900A	430473094900S1
CIGE 084D	33-9-22 SWSW	UTU01191A	891008900A	430473095000S1
CIGE 066	23-10-21 SENW	UTU02278A	891008900A	43047305420081
CIGE 067A	2-10-22 NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35-9-22 NWSW	UTU010954A	891008900A	430473095100S1
CIGE 069 CIGE 070	19-10-21 SENW	ML22792	891008900A	430473063500S1
CIGE 070	20-9-21 NESE 7-9-21 NESE	UTU0575 UTU0575B	891008900A 891008900A	430473063600S1 430473063700S1
CIGE 072	18-9-21 SWNE	UTU0575	891008900A	430473063400S1
CIGE 073D	5-10-22 SWSW	UTU01191A	891008900A	430473095200S1
CIGE 074D	6-10-22 NWSE	UTU01195	891008900A	430473095300S1
CIGE 075D	8-10-21 SENE	UTU01791	891008900A	430473095400S1
CIGE 076D	9-10-21 NENE	UTU01416	891008900A	430473095500S1
CIGE 077D	10-10-21 SESE	UTU0149079	891008900A	430473095600S1
CIGE 078C CIGE 079D	16-9-21 NENW	UTU38409	891008900A	430473087000\$1
CIGE 079D	1-10-21 NENE 2-10-21 NWNW	ML23612 ML22652	891008900A 891008900A	430473089600S1 V 430473085300S1 V
CIGE 081D	4-10-21 NENE	ML22940	891008900A	430473085300S1 V 430473085400S1
CIGE 086D	16-9-21 SWSE	ML3282	891008900A	430473088600S1
CIGE 087D	34-9-21 NENE	U01194A	891008900A	430473086900S1
CIGE 088D	15-10-21 NWNW	UTU01791A	891008900A	430473095800S1
CIGE 089D	34-9-22 SENE	UTU0149077	891008900A	430473114600S1
CIGE 090D	9-9-21 NWNE	UTU01188A	891008900A	430473114900\$1
CIGE 091D	15-9-21 NWNE	UTU01188	891008900A	430473115100S1



Department of Natural Resources

Division of Oil, Gas & Mining

ROBERT L. MORGAN Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT

Governor

OLENE S. WALKER Lieutenant Governor

February 20, 2004

CERTIFIED MAIL NO. 7002 0510 0003 8602 4910

James Cleere Westport Oil & Gas Co. LP 1670 Broadway, Suite 2800 Denver, Colorado 80202-2800

Re: <u>Extended Shut-in and Temporary Abandoned Well Requirements for Fee</u> or State Leases.

Dear Mr. Cleere:

Westport Oil & Gas Co. LP, as of February 2004, has ten (10) State Lease Wells and one (1) Fee Lease Well (see attachment A) that are currently in non-compliance for extended shut-in or temporary abandonment status. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- 2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
- 3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).



Page 2 February 20, 2004 James Cleere

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet Petroleum Engineer

jc

cc:

John Baza

Well File

**SITLA** 

	Well Name	API	Lease Type	Years Inactive
1	NBU 62N	43-047-30909	State	1 Year 0 Months
2	CIGE 9	43-047-30419	State	1 Year 2 Months
3	Stirrup 32-1-J	43-047-31646	State	1 Year 2 Months
4	Stirrup State 32-1	43-047-31557	State	1 Year 7 Months
5	NBU 75N3	43-047-31103	State	2 Years 0 Months
6	NBU 24N2	43-047-30535	· State	2 Years 2 Months
7	NBU 318-36E	43-047-32204	State	2 Years 3 Months
8	CIGE 81 D	43-047-30854	State	3 Years 1 Month
9	Archy Bench State	43-047-31489	State	3 Years 10 Months
10	NBU 167	43-047-32054	State	5 Years 0 Months
		-		
1	Leland Bench 35-22	43-047-34158	Fee	1 Year 5 Months

Form 9

## STATE OF UTAH

## DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS AND IV	6. Lease Designation and Serial Number ML-22650				
	7. Indian Allottee or Tribe Name				
SUNDRY NOTICES AND REPORTS	ON WELLS	·			
Do not use this form for proposals to drill new wells, deepen existing wells, or to re	8. Unit or Communitization Agreement				
Use APPLICATION FOR PERMIT for such prop	Osais 	NATURAL BUTTES			
1. Type of Well Oil Gas Gas Cotton (analytic)		Well Name and Number			
Well Other (specify)		CIGE 9			
2. Name of Operator		10. API Well Number			
WESTPORT OIL & GAS COMPANY, L.P.  3. Address of Operator	4. Telephone Number	43-047-30419 11. Field and Pool, or Wildcat			
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078	(435)781-7060	NATURAL BUTTES			
5. Location of Well	(455)161 7000	TWITOIGIB BOTTES			
Footage : 2090' FSL 1852' FEL	County :	UINTAH			
QQ, Sec, T., R., M : NWSE SEC 36-T9S-R22E	State :	UTAH			
12. CHECK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE	, REPORT, OR OTHER DATA			
NOTICE OF INTENT		BSEQUENT REPORT			
(Submit in Duplicate)	(Sub	omit Original Form Only)			
Abandonment New Construction	Abandonment	* New Construction			
Casing Repair Pull or Alter Casing	Casing Repair	Pull or Alter Casing			
Change of Plans Recompletion	Change of Plans Shoot or Acidize				
X Conversion to Injection Shoot or Acidize	Conversion to	Injection Vent or Flare			
Fracture Treat Vent or Flare	Fracture Treat Water Shut-Off				
Multiple Completion Water Shut-Off	Other				
Other					
	Date of Work Completion				
Approximate Date Work Will Start WHEN APPROVED					
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.				
		* Must be accompanied by a cement verification report.			
13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state al		ates. If well is directionally drilled, give subsurface			
locations and measured and true vertical depths for all markers and zones p WESTPORT OIL & GAS COMPANY PROPOSES TO CONT		POM A PRODUCING			
WELL TO A CLASS II WATER INJECTION WELL TO DIS					
WELLS AS PER THE ATTACHED PROCEDURES.					
APPLICATION TO THE EPA-UIC FOR A CLASS II INJECT	TION WELL WILL BE MAI	DE ON 4/23/04.			
	مر ماند در از				
	Accepted by the	- -			
	Utah Division of Oil, Gas and Minir	nd.			
	Oll, Gas and man	uV			
	FOR RECORD OF	ALA			
14. I hereby certify that the foregoing is true and correct.					
Name & SignatureDEBRA DOMENICIelio Vox	news Title regula	TORY ADM. ASSIST. Date 04/22/04			
(State Use Only)		HECEIVED			
		APP			
		APR 2 6 2004			

DIV. OF OIL, GAS & MINING

♥IGE 9 NWSE-Sec. 36-T9S-R22E Underground Injection Control Permit Application

### **ATTACHMENT M1**

## CIGE 9 CONVERSION TO INJECTION GENERALIZED PROCEDURE:

- All perforation depths will be from the Dresser Atlas Densilog dated 6 July 1978.
- **Perforations and fracturing treatment are conceptual at present.** Exact perforation intervals, shot densities and treating design are to be determined.

## **PROCEDURE**:

- 1. Notify EPA two weeks in advance so that EPA representative may be present for wellwork operations.
- 2. MIRU. NU & test BOP. TOH with tubing.
- 3. PU bit and TIH. Clean out to original PBTD at 7288'. Circulate hole clean with 2% KCL. POOH.
- 4. Plug #1: TIH with CICR and set same at ~4880'. Establish injection rate and cement squeeze perforations across gross interval 4898' through 7088' with a minimum of 167 sx (192 cuft) Class G cement. Sting out of CICR and spot 2 sx cement on top. Circulate tubing clean and TOH.
- 5. Pressure test casing to 5450 psi (~70% of rated burst).
- 6. Perforate sandstone zones in the gross interval 3972' through 4226' with 3-1/8" OD HSC, 12 gm charge, 0.35" diameter holes. Breakdown perfs and establish injection rate. Fracture with conventional gelled water system containing 20/40 mesh sand. Displace to ~3900'.
- 7. Flow back until returns clean up or well dies.
- 8. TIH with bit and clean out to new PBTD of ~4854'. TOH laying down workstring.
- 9. PU profile nipple, 6' tubing sub, retrievable packer, on/off tool and new 2 3/8" tubing and TIH to ~3930'. Circulate packer fluid and freeze blanket in place, set packer and land tubing.
- 10. ND BOPE and NU wellhead. Conduct MIT per EPA guidelines to satisfaction of EPA representative.
- 11. RDMO

NWSE-Sec. 36-T9S-R22E
Underground Injection Control
Permit Application

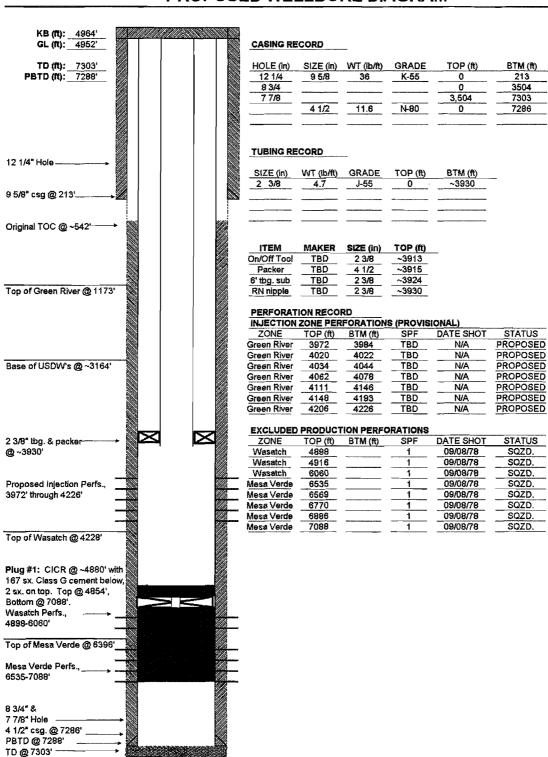
**ATTACHMENT M2** 

WELL: CIGE 9
FIELD: NATURAL BUTTES
API # 43-047-30419
EPA PERMIT #:

CNTY: UINTAH STATE: UTAH FT.: LOC. LEASE:

2090' FSL, 1852' FEL NWSE-36-9S-22E ML-22650

## PROPOSED WELLBORE DIAGRAM



Form 3 160-5 (August 1999)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

5. Lease Serial No.

MULTIPLE WELLS- SEE ATTACHED

6. If Indian, Allottee or Tribe Name

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUNDRY NOTICES AND REPORTS ON WELLS

SUBMIT IN TRIPLICATE – Other instru	7. If Unit or CA/Agreement, Name and/or No.  MULTIPLE WELLS- SEE ATTACHED	
1. Type of Well	-	
Oil Well X Gas Well Other		8. Well Name and No.
2. Name of Operator		MULTIPLE WELLS- SEE ATTACHED
WESTPORT OIL & GAS COMPANY, L.P.		9. API Well No.
3a. Address	3b. Phone No. (include area code)	MULTIPLE WELLS- SEE ATTACHED
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078	435-781-7060	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description	MULTIPLE WELLS- SEE ATTACHED	
MULTIPLE WELLS- SEE ATTACHED	11. County or Parish, State	
		UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA									
TYPE OF SUBMISSION		TYPE OF ACTION							
Notice of Intent  Subsequent Report	Acidize Alter Casing Casing Repair	Deepen Fracture Treat New Construction	Production (Start/Resume) Reclamation Recomplete	Water Shut-Off Well Integrity Other					
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Plug Back	Temporarily Abandon  Water Disposal						

WESTPORT OIL & GAS COMPANY RESCINDS ANY PREVIOUSLY APPROVED DISPOSAL SITES AND PROPOSES THAT ANY PRODUCED WATER FROM THE ATTACHED LIST OF WELLS WILL BE CONTAINED IN A WATER TANK AND WILL THEN BE HAULED BY TRUCK TO ONE OF THE FOLLOWING PRE-APPROVED DISPOSAL SITES: DALBO, INC.; RNI, SEC. 5-T9S-R22E; ACE OILFIELD, SEC. 2-T6S-R20E; SOUTHMAN CANYON #3 SWD, SEC. 15-T10S-R23E, API NO. 43047158800000S1; AND DIRTY DEVIL FEDERAL 14-10 SWD, SWC. 10-T9S-R24E, API NO. 430473056600S1.

> Accepted by the Utah Division of

	FOR DECORP	
14. I hereby certify that the foregoing is true and correct	TON HECORD ONLY	
Name (Printed/Typed) Title	le	
DEBRA DOMENICI	ENVIRONMENTAL ASSISTANT	
Signature Date Date	July 12, 2004	
THIS SPACE FOR F	FEDERAL OR STATE USE	_
Approved by	Title Date	_
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		_
Title 18 U.S.C. Section 1001, make it a crime for any person knowingly a	and willfully to make to any department of agency of the total States any within its jurisdiction	_

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

JUL 1 4 2004

<sup>13.</sup> Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

		L	EGAL	S			
WELL	SEC	TWN	RGE	QTR/QTR	STF LEASE NO	CA NUMBER	API NO
SOUTHMAN CANYON 04-04	4	10S	23E	NWSE	UTU33433	UTU33433	430473063200S1
SOUTHMAN CANYON 04-05	5	10S	23E	NESE	UTU33433	UTU33433	430473063300S1
SOUTHMAN CANYON 09-03M	9	10S	23E	swsw	UTU37355	UTU37355	430473254000S1
SOUTHMAN CANYON 09-04J	9	108	23E	NWSE	UTU37355	UTU37355	430473254100S1
SOUTHMAN CANYON 31-01-L	31	098	23E	NWSW	UTU33433	UTU74898	430473254300S1
SOUTHMAN CANYON 31-02X	31	098	23E	NWNW	UTU33433	UTU33433	430473489800S1
SOUTHMAN CANYON 31-03	31	098	23E	SENW	UTU33433	UTU33433	430473472600S1
SOUTHMAN CANYON 31-04	31	098	23E	SESW	UTU33433		430473472700S1
SOUTHMAN CANYON 923-31B	31	098	23E	NWNE	U-33433	UTU33433	430473515000S1
SOUTHMAN CANYON 923-31J	31	09S	23E	NWSE	U-33433	UTU33433	430473514900S1
SOUTHMAN CANYON 923-31P	31	09 <b>S</b>	23E	SESE	U-33433		430473528800S1
SOUTHMAN CANYON SWD #3	15	108	23E	NESE	UTU-38427		430471588000S1
WHITE RIVER 1-14	14	108	23E	NENW	UTU38427	UTU38427	430473048100S1

		L	EGAL	.s			
WELL	SEC	TWN	RGF	QTR/QTR	STF LEASE NO	CA NUMBER	API NO
BONANZA 04-06	4	108	23E	NESW	U-33433	UTU33433	430473475100S1
BONANZA 06-02	6	108	23E	NESW	UTU38419	UTU38419	430473484300\$1
BONANZA 08-02	8	108	23E	SESE	UTU37355	UTU37355	430473408700S1
BONANZA 08-03	8	108	23E	NWNW	U-37355	UTU37355	430473477000S1
BONANZA 09-05	9	108	23E	SESW	U-37355	UTU37355	430473486600S1
BONANZA 09-06	9	108	23E	NWNE	U-37355	UTU37355	430473477100S1
BONANZA 10-02	10	108	23E	NWNW	U72028	UTU80201	430473470400S1
BONANZA 10-03	10	108	23E	NWNE	UTU38261	CR-5	430473472800S1
BONANZA 10-04	10	10S	23E	SENE	UTU40736	CR-5	430473477200S1
BONANZA 1023-2A	2	108	23E	NENE	ML47062	O.C U	430473534700S1
BONANZA 1023-2C	2	108	23E	NENW	ML47062		430473534600S1
BONANZA 1023-2E	2	108	23E	SWNW	ML47062		430473534500S1
BONANZA 1023-4E	4	108	23E	SWNW	U-33433		43047353920S1
BONANZA 1023-6C	6	10S	23E	NENW	U-38419	UTU38419	430473515300\$1
BONANZA 1023-7B	7	105	23E	NWNE	U-38420	UTU38420	430473517200S1
BONANZA 1023-7L	7	108	23E	NWSW	U-38420	01030420	430473528900S1
BONANZA 11-02	11			SWNW	UTU38425	CR-23	430473477300S1
BONANZA FEDERAL 03-15							
CANYON VIEW FEDERAL 1-18	15		23E	NENW	UTU38428	UTU38428	430473127800S1
	18		23E	SENW	UTU38421	UTU38421	430473037900S1
CIGE 008	35			SWSE	UTU010954A	891008900A	430473042700\$1
CIGE 009	36			NWSE	ML22650	891008900A	430473041900\$1
CIGE 010	2			NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1			SWNW	U011336	891008900A	430473051100S1
CIGE 062D	36			NWSW	ML22650	891008900A	430473088500S1
CIGE 067A	2			NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35			NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D				SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1			NENW	U011336	891008900A	430473175800S1
CIGE 118					UTU010954A	891008900A	430473202500S1
CIGE 144	2				ML22651	891008900A	430473202200S1
CIGE 147					ML22650	891008900A	430473202000S1
CIGE 153	_				UTU010954A	891008900A	430473206700S1
CIGE 161					ML22651	891008900A	430473216800S1
CIGE 162	36	098	22E	SESE	ML22650	891008900A	430473216400S1
CIGE 186	35	09 <b>S</b>	22E	NWSE	UTU010954A	891008900A	430473259000S1
CIGE 193	35	09 <b>S</b>	22E	SESE	UTU010954A	891008900A	430473297300S1
CIGE 194	1	10S	22E	SWNW	U011336	891008900A	430473293200S1
CIGE 195	2	10S :	22E		ML22651		430473279700S1
CIGE 212	34	09 <b>S</b>	22E		UTU0149077	891008900A	430473293800S1
CIGE 221	_		22E	swsw	ML22650		430473286800\$1
CIGE 222	36						430473286900S1
CIGE 223					U011336		430473298300S1
CLIFF EDGE 1-15							430473046200S1
CROOKED CYN FED 1-17							430473036900S1
FLAT MESA FEDERAL 1-7							430473036500\$1
FLAT MESA FEDERAL 2-7							430473054500S1
JACK RABBIT 1-11					UTU38425		430473042300S1
LOOKOUT POINT STATE 1-16					ML22186A		430473054400S1
NBU 024N2							430473053500S1
NBU 038N2							
			$\overline{}$				430473053600S1
NBU 1022-1G							430473517500S1
NBU 922-35K							430473512600S1
NBU 922-36I							430473510700S1
NO NAME CANYON 1-9							430473037800S1
NO NAME CANYON 2-9							4304731 <u>50400</u> S1
NSO FEDERAL 1-12							430473056000S1
PETE'S FLAT 1-1					JTU40736		43047305 <u>5800</u> S1
SAGE HEN FEDERAL 1-6							430473038200S1
SAGEBRUSH FEDERAL 1-8							430473038300S1
SHEEPHERDER FEDERAL 1-10	10	10\$ 2	23E	VESE	JTU38424	CR-5	430473055900S1
SOUTHMAN CANYON 01-05 FED	5	108 2	23E	SENW	JTU33433	UTU74473	430473085600S1



1368 South 1200 East Vernal Utah 84078 Telephone: 435-781-0166 Fax: 435-781-7095

May 28, 2004

Dustin K. Doucet
Petroleum Engineer
State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

# Re: <u>Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases</u>

Dear Mr. Doucet:

Attached are the sundries for the following well locations:

Well Name	API	Lease Type	Type of Action
NBU 62N	43-047-30909	State	P&A
CIGE 9	43-047-30419	State	Convert to SWD
Stirrup 32-1-J	43-047-31646	State	P&A
✓ Stirrup State 32-1	43-047-31557	State	P&A
√NBU 75N3	43-047-31103	State	P&A
√NBU 24N2	43-047-30535	State	Extend TA until Pipeline can be established
NBU 318-36E	43-047-32204	State	EOG Well
√ CIGE 81D	43-047-30854	State	P&A
Archy Bench State	43-047-31489	State	Placed back on Production
_ ✓NBU 167	43-047-32054	State	P&A
Leland Bench 35-22	43-047-34158	Fee	P&A
Stirrup State 29-3	43-047-31634	BLM	To be further evaluated

JUN 0 3 2004



1368 South 1200 East Vernal Utah 84078 Telephone: 435-781-0166 Fax: 435-781-7095

If you have any questions, please contact Sheila Upchego at 435-781-7024 or Steve McPherson at 435-781-7037.

Sincerely,

Sheila Upchego

Regulatory Analyst



State of Utah

Department of Natural Resources

ROBERT L. MORGAN Executive Director

Division of Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

July 21, 2004

CERTIFIED MAIL NO. 7002 0510 0003 8602 5238

Ms. Sheila Upchego Westport Oil and Gas Company L.P. 1368 South 1200 East Vernal, Utah 84078

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated February 20, 2004.

Dear Ms. Upchego:

The Division of Oil, Gas and Mining (the "Division") is in receipt of your letter dated May 28, 2004 (received by the Division on 6/3/2004) in regards to the eleven (11) shut-in wells operated by Westport Oil & Gas Company L.P. ("Westport"). It is the Division's understanding Westport intends to plug and abandon seven (7) wells this year, convert the CIGE 9 well to SWD, and place the NBU 24N2 on production. Westport has already placed the Archy Bench State 1-2 back on production. The NBU 318-36E will be discussed in paragraph three of this letter.

The Division accepts Westport's plan to plug and abandon the NBU 62N, Stirrup 32-1-J, Stirrup State 32-1, NBU 75N3, CIGE 81D, NBU 167 and Leland Bench 35-22 wells, and in addition accepts the plan to convert the CIGE 9 to a SWD well and connect the NBU 24N2 to a low-pressure line so it may be produced. The Division grants these nine (9) wells extended shut-in/temporary abandonment. These extensions are valid through May 28, 2005, allowing adequate time to accomplish the proposed work. The approved sundries and conditions of approval for plugging are enclosed with this letter.

Regarding the NBU 318-36E the Division records designate Westport as the operator of this well. The Division is willing to accept a plan of action for this well from either Westport or EOG, however we hold Westport responsible to ensure that the requirements in the Division's letter dated February 20, 2004 are accomplished. We ask that the requested information be submitted in the next 30 days or further action may be taken.



Page 2 Ms. Sheila Upchego July 21, 2004

For reference, attachment A lists the wells subject to the request. If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

Dustin Doucet Petroleum Engineer

CLD:jc Enclosure

cc: well file

SITLA

	Well Name	API	Lease Type	Years Inactive
1	NBU 62N	43-047-30909	State	1 Year 0 Months
2	CIGE 9	43-047-30419	State	1 Year 2 Months
3	Stirrup 32-1-J	43-047-31646	State	1 Year 2 Months
4	Stirrup State 32-1	43-047-31557	State	1 Year 7 Months
5	NBU 75N3	43-047-31103	State	2 Years 0 Months
6	NBU 24N2	43-047-30535	State	2 Years 2 Months
7	NBU 318-36E	43-047-32204	State	2 Years 3 Months
8	CIGE 81D	43-047-30854	State	3 Years 1 Month
9	Archy Bench State 1-2	43-047-31489	State	3 Years 10 Months
10	NBU 167	43-047-32054	State	5 Years 0 Months
1	Leland Bench 35-22	43-047-34158	Fee	1 Year 5 Months

Form 3160-5 (August 1999)

# DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

Lease Serial No.

SUNDRY	MULTIPLE WELLS- SEE ATTACHED			
Do not use this abandoned well.	6. If Indian, Allottee or Tribe Name			
	10177	4.		7. If Unit or CA/Agreement, Name and/or No.
	.ICATE – Other instru ————–	ictions on revers	e side 	MULTIPLE WELLS- SEE ATTACHED
<ol> <li>Type of Well</li> <li>Oil Well</li> <li>Gas Well</li> </ol>	Other			8. Well Name and No.
2. Name of Operator	Ouner		<del>.</del>	MULTIPLE WELLS- SEE ATTACHED
WESTPORT OIL & GAS CO	OMPANY, L.P.			9. API Well No.
3a. Address		3b. Phone No. (include	de area code)	MULTIPLE WELLS- SEE ATTACHED
1368 SOUTH 1200 EAST, V	ERNAL, UTAH 84078	435-781-7060		10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description	on)		MULTIPLE WELLS- SEE ATTACHED
MULTIPLE WELLS- SEE AT	<i>TTACHED</i>			11. County or Parish, State
				UINTAH COUNTY, UTAH
12. CHECK APP	ROPRIATE BOX(ES) TO I	NDICATE NATURE	OF NOTICE, F	REPORT, OR OTHER DATA
TYPE OF SUBMISSION		TYI	PE OF ACTION	٧
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	Production Reclamation	(Start/Resume) Water Shut-Off On Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplet	
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Plug Back	Water Disp	<u> </u>
If the proposal is to deepen directiona Attach the Bond under which the wor following completion of the involved testing has been completed. Final At determined that the site is ready for fin	illy or recomplete horizontally, given k will be performed or provide the operations. If the operation results and onment Notices shall be filed at inspection.	ve subsurface locations and he Bond No. on file with ts in a multiple completion d only after all requiremen	I measured and tru BLM/BIA. Require n or recompletion ints, including recla	my proposed work and approximate duration thereof, we vertical depths of all pertinent markers and zones, red subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once umation, have been completed, and the operator has
water from the attached list of to one of the following pre-ap Ace Oilfield Disposal, Sec. 2- CIGE 9 SWD, Sec. 36-T9S-F The disposal/emergency pits	of wells on Exhibit A will oproved disposal sites: -T6S-R20E; Southman R22E; and Dirty Devil For the locations listed	be contained in a Dalbo, Inc. Dispos Canyon #3 SWD, ederal 14-10 SWD on Exhibit B will be	water tank a sal Pit; RNI D Sec. 15-T10 , Sec. 10-T9 e reclaimed v	proposes that any produced and will then be hauled by truck bisposal Pit, Sec. 5-T9S-R22E; S-R23E, API No. 43047158800000S1 S-R24E, API No. 430473056600S1. Within the 2004 year. The rest of the their pits reclaimed by September

MECEIVED

JUL 27 2004

DIV. OF OIL, GAS & MINING 14. I hereby certify that the foregoing is true and correct Title Name (Printed/Typed) **ENVIRONMENTAL ASSISTANT DEBRA DOMENICI** Date Signature July 22, 2004 THIS SPACE FOR FEDERAL OR STATE USE Approved by Title Date Conditions of approval, if any, are attached Approval of this notice does not warrant or Office certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Utah Division of Oil, Gas and Mining FOR RECORD ONLY

2008.

#### EXHIBIT A

	LEGALS						
WELL	SEC	TWN	RGE	QTR/QTR	STF LEASE NO	CA NUMBER	API NO
SOUTHMAN CANYON 04-04	4	108	23E	NWSE	UTU33433	UTU33433	430473063200S1
SOUTHMAN CANYON 04-05	5	108	23E	NESE	UTU33433	UTU33433	430473063300S1
SOUTHMAN CANYON 09-03M	9	108	23E	swsw	UTU37355	UTU37355	430473254000S1
SOUTHMAN CANYON 09-04J	9	108	23E	NWSE	UTU37355	UTU37355	430473254100S1
SOUTHMAN CANYON 31-01-L	31	098	23E	NWSW	UTU33433	UTU74898	430473254300S1
SOUTHMAN CANYON 31-02X	31	098	23E	NWNW	UTU33433	UTU33433	430473489800S1
SOUTHMAN CANYON 31-03	31	098	23E	SENW	UTU33433	UTU33433	430473472600S1
SOUTHMAN CANYON 31-04	31	098	23E	SESW	UTU33433		430473472700S1
SOUTHMAN CANYON 923-31B	31	098	23E	NWNE	U-33433	UTU33433	430473515000S1
SOUTHMAN CANYON 923-31J	31	098	23E	NWSE	U-33433	UTU33433	430473514900S1
SOUTHMAN CANYON 923-31P	31	098	23E	SESE	U-33433		430473528800S1
SOUTHMAN CANYON SWD #3	15	108	23E	NESE	UTU-38427		430471588000S1
WHITE RIVER 1-14	14	108	23E	NENW	UTU38427	UTU38427	430473048100\$1

# EXHIBIT B PITS TO BE RECLAIMED IN 2004

	LEGALS						
WELL	SEC	TWN	RGE	QTR/QTR	STF LEASE NO	CA NUMBER	API NO
CIGE 008	35	098	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 062D	36	098	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 153	35	098	22E	SESW	UTU010954A	891008900A	430473206700S1

# EXHIBIT C PITS TO BE RECLAIMED BY SEPTEMBER, 2008

	LEGALS						
WELL	SEC	TWN	RGE	QTR/QTR	STF LEASE NO	CA NUMBER	API NO
CIGE 008	35	098	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36	09S	22E	NWSE	ML22650	891008900A	430473041900S1
CIGE 010	2	10S	22E	NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1	10S	22E	SWNW	U011336	891008900A	430473051100S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 067A	2	10S	22E	NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35	098	22E	NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D	34	09S	22E	SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1	10S	22E	NENW	U011336	891008900A	430473175800S1
CIGE 118	35	09S	22E	NESE	UTU010954A	891008900A	430473202500S1
CIGE 144	2	10S	22E	SWNE	ML22651	891008900A	430473202200S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1
CIGE 161	2	10S	22E	SESE	ML22651	891008900A	430473216800S1
CIGE 162	36	09S	22E	SESE	ML22650	891008900A	430473216400S1
NBU 024N2	12	10S	22E	SESE	U01197A	891008900A	430473053500S1
NBU 038N2	13	10S	22E	NWSW	U06512	891008900A	430473053600S1

		L	EGAL	.s			
WELL	eEC	TVA/AI	DCE	QTR/QTR	STELEASE NO.	CA NUMBER	ARINO
BONANZA 04-06	4	108	23E	NESW	U-33433	UTU33433	API NO 430473475100S1
BONANZA 06-02	6	108	23E	NESW	UTU38419	UTU38419	430473484300S1
BONANZA 08-02	8	108	23E	SESE	UTU37355	UTU37355	430473408700S1
BONANZA 08-03	8	108	23E	NWNW	U-37355	UTU37355	430473477000S1
BONANZA 09-05	9	108	23E	SESW	U-37355	UTU37355	430473486600S1
BONANZA 09-06	9	108	23E	NWNE	U-37355	UTU37355	430473477100S1
BONANZA 10-02	10	10S	23E	NWNW	U72028	UTU80201	430473470400S1
BONANZA 10-03	10	108	23E	NWNE	UTU38261	CR-5	430473472800S1
BONANZA 10-04	10	108	23E	SENE	UTU40736	CR-5	43047347720081
BONANZA 1023-2A	2	108	23E	NENE	ML47062	07.0	430473534700\$1
BONANZA 1023-2C	2	10S	23E	NENW	ML47062		430473534600S1
BONANZA 1023-2E	2	108	23E	SWNW	ML47062		430473534500S1
BONANZA 1023-4E	4	108	23E	SWNW	U-33433		43047353920\$1
BONANZA 1023-6C	6	108	23E	NENW	U-38419	UTU38419	430473515300S1
BONANZA 1023-7B	7	10S	23E	NWNE	U-38420	UTU38420	430473517200S1
BONANZA 1023-7L	7	10S	23E	NWSW	U-38420		430473528900S1
BONANZA 11-02	11	10S	23E	SWNW	UTU38425	CR-23	430473477300S1
BONANZA FEDERAL 03-15	15		23E	NENW	UTU38428	UTU38428	430473127800S1
CANYON VIEW FEDERAL 1-18	18		23E	SENW	UTU38421	UTU38421	430473037900\$1
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36	098	22E	NWSE	ML22650	891008900A	430473041900S1
CIGE 010	2		22E	NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1	10S	22E		U011336	891008900A	430473051100S1
CIGE 062D	36	09S	22E		ML22650	891008900A	430473088500S1
CIGE 067A	2	10S	22E	NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35	09 <b>S</b>	22E	NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D	34	098	22E	SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1	10\$	22E	NENW	U011336	891008900A	430473175800S1
CIGE 118	35	098	22E	NESE	UTU010954A	891008900A	430473202500S1
CIGE 144	2	10S	22E	SWNE	ML22651	891008900A	430473202200S1
CIGE 147	36	09S	22E	SESW	ML22650	891008900A	430473202000S1
CIGE 153					UTU010954A	891008900A	430473206700S1
CIGE 161					ML22651	891008900A	430473216800S1
CIGE 162					ML22650	891008900A	430473216400S1
CIGE 186					UTU010954A	891008900A	430473259000S1
CIGE 193						891008900A	430473297300S1
CIGE 194					U011336	891008900A	430473293200S1
CIGE 195						891008900A	430473279700S1
CIGE 212						891008900A	430473293800S1
CIGE 221							430473286800S1
CIGE 222							430473286900S1
CIGE 223							430473298300S1
CLIFF EDGE 1-15							430473046200S1
CROOKED CYN FED 1-17							430473036900S1
FLAT MESA FEDERAL 1-7							430473036500\$1
FLAT MESA FEDERAL 2-7	<u> </u>						430473054500S1
JACK RABBIT 1-11							430473042300\$1
LOOKOUT POINT STATE 1-16					ML22186A		430473054400S1
NBU 024N2							430473053500S1
NBU 038N2							430473053600S1
NBU 1022-1G							430473517500\$1
NBU 922-35K							430473512600\$1
NBU 922-36I							430473510700S1
NO NAME CANYON 1-9							430473037800S1
NO NAME CANYON 2-9							43047315040081
NSO FEDERAL 1-12							430473056000S1
PETE'S FLAT 1-1					UTU40736		430473055800\$1
SAGE HEN FEDERAL 1-6							430473038200S1
SAGEBRUSH FEDERAL 1-8 SHEEPHERDER FEDERAL 1-10							430473038300\$1
SOUTHMAN CANYON 01-05 FED							430473055900S1 430473085600S1
OCOTITINAM CANTON 01-00 FED	U I	100	ا تان	ات ۱۸۸۸	J 1 U J J H J J	UTU74473	1 6000000 i



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

999 18th STREET - SUITE 300

**DENVER. CO 80202-2466** http://www.epa.gov/region08

FEB 10 2005

Ref: 8P-W-GW

# **CERTIFIED MAIL** RETURN RECEIPT REQUESTED

Carroll Estes Westport Oil and Gas Co., LP 1368 South 1200 East Vernal, UT 84078

DIV. OF OIL, GAS & MINING

Re: Underground Injection Control Program

Permit for the CIGE 9 Well

Uintah County, UT

EPA Permit No. UT20975-06401

Dear Mr. Estes:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed CIGE 9, in Uintah County, Utah. A Statement of Basis, which discusses development of the conditions and requirements of the Permit, also is included.

JAN 20 2005 . There were no comments on The Public Comment period ended on the Draft Permit received during the Public Notice period, and therefore the Final Permit becomes effective on the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect on the date that this Permit becomes effective.

Please note that under the terms of the Final Permit, you are authorized only to construct the proposed injection well, and must fulfill the "Prior to Commencing Injection" requirements of the Permit, Part II Section C Subpart 1 and obtain written Authorization to Inject prior to commencing injection. It is your responsibility to be familiar with and to comply with all provisions of the Final Permit.

The Permit and the authorization to inject are issued for the operating life of the well unless terminated (Part III, Section B). The EPA will review this Permit at least every five (5) years to determine whether action under 40 CFR § 144.36(a) is warranted.

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Emmett Schmitz of my staff at (303) 312-6174, or toll-free at (800) 227-8917, ext. 6174.

Sincerely,

Carl L. Carybill for Stephen S. Tuber

Assistant Regional Administrator

Office of Partnerships and Regulatory Assistance

enclosure:

Final UIC Permit

Statement of Basis

Form 7520-7 Application to Transfer Permit

Form 7520-11 Monitoring Report Form 7520-14 Plugging Plan

Form 7520-12 Well Rework Record Groundwater Section Guidance 34 Groundwater Section Guidance 35 Groundwater Section Guidance 37 Groundwater Section Guidance 39

cc:

Maxine Natchees

Chairperson

Uintah & Ouray Business Committee

Ute Indian Tribe

Elaine Willie

**Environmental Coordinator** 

Ute Indian Tribe

Chester Mills
Superintendent

Bureau of Indian Affairs

Uintah & Ouray Indian Agency

Gil Hunt

Technical Services Manager

State of Utah - Natural Reesources

Ed Forsman Sr. Petroleum Engineer Bureau of Land Management Vernal District

# **\$EPA**

# UNDERGROUND INJECTION CONTROL PROGRAM

# **PERMIT**

PREPARED: January 2005

Permit No. UT20975-06401

Class II Salt Water Disposal Well

CIGE 9 Uintah County, UT

Issued To

Westport Oil and Gas Company, L.P.

1670 Broadway Suite 2800 Denver, CO 80202-4801

# Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit,

Westport Oil and Gas Company, L.P. 1670 Broadway Suite 2800 Denver, CO 80202-4801

is authorized to construct and to operate the following Class II injection well or wells:

CIGE 9 2090' FSL 1852 FEL, NWSE S36, T9S, R22E Uintah County, UT

Permit requirements herein are based on regulations found in 40 CFR Parts 124, 144, 146, and 147 which are in effect on the Effective Date of this Permit.

This Permit is based on representations made by the applicant and on other information contained in the Administrative Record. Misrepresentation of information or failure to fully disclose all relevant information may be cause for termination, revocation and reissuance, or modification of this Permit and/or formal enforcement action. This Permit will be reviewed periodically to determine whether action under 40 CFR 144.36(a) is required.

This Permit is issued for the life of the well or wells unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for this program is delegated to an Indian Tribe or a State. Upon the effective date of delegation, all reports, notifications, questions and other compliance actions shall be directed to the Indian tribe or State Program Director or designee.

Issue Date: \_\_\_\_FE

FEB 10 2005

Effective Date \_\_

FEB 10 2005

Stephen S. Tuber

Assistant Regional Administrator\*

Office of Partnerships and Regulatory Assistance

\*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

#### PART II. SPECIFIC PERMIT CONDITIONS

#### Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

#### 1. Casing and Cement.

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

# 2. Injection Tubing and Packer.

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

# 3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

- (a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and
- (b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:
  - (i) on the injection tubing; and
  - (ii) on the tubing-casing annulus (TCA); and
- (c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure specified in APPENDIX C is reached at the wellhead; and
- (d) a non-resettable cumulative volume recorder attached to the injection line.

#### 4. Well Logging and Testing

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

#### 5. Postponement of Construction or Conversion

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate can be reissued.

#### 6. Workovers and Alterations

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

#### Section B. MECHANICAL INTEGRITY

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

- (a) There is no significant leak in the casing, tubing, or packer (Part I); and
- (b) There is no significant fluid movement into an underground source of drinking water throught vertical channels adjacent to the injection well bore (Part II).

#### 1. Demonstration of Mechanical Integrity (MI).

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

#### 2. Mechanical Integrity Test Methods and Criteria

EPA-approved methods shall be used to demonstrate mechanical integrity. A current copy of Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are provided at issuance of this Permit.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

#### 3. Notification Prior to Testing.

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

#### 4. Loss of Mechanical Integrity.

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit), and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

#### Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

#### 1. Requirements Prior to Commencing Injection.

Injection operation may commence only after all construction and pre-injection requirements herein have been met and approved. Except for new wells authorized by an Area Permit under 40 CFR 144.33 (c), the Permittee may not commence injection until construction is complete, and

- (a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and
  - (i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or
  - (ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

# 2. Injection Interval.

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

#### 3. Injection Pressure Limitation

- (a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injected or formation fluids into a USDW.
- (b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permitee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

#### 4. Injection Volume Limitation.

Injection volume is limited to the total volume specified in APPENDIX C.

#### 5. Injection Fluid Limitation.

Injected fluids are limited to those which are brought to the surface in connection with conventional oil or natural gas production and may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). The well also may be used to inject approved Class II wastes brought to the surface such as drilling fluids and spent well completion, treatment and stimulation fluids. Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved. This well is NOT approved for commercial brine or other fluid disposal operation.

## 6. Tubing-Casing Annulus (TCA)

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

#### Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

## 1. Monitoring Parameters, Frequency, Records and Reports.

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

- (a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;
- (b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;
- (c) the analytical techniques or methods used for analysis.

#### 2. Monitoring Methods.

(a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

- (b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.
- (c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.
- (d) Pressures are to be measured in pounds per square inch (psi).
- (e) Fluid volumes are to be measured in standard oil field barrels (bbl).
- (f) Fluid rates are to be measured in barrels per day (bbl/day).

#### 3. Records Retention.

- (a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.
- (b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.
- (c) The Permittee shall retain records at the location designated in APPENDIX D.

#### 4. Annual Reports.

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D. The report of fluids injected during the year must identify each new fluid source by well name and location, and the field name or facility name.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

#### Section E. PLUGGING AND ABANDONMENT

#### 1. Notification of Well Abandonment, Conversion or Closure.

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

#### 2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which prevents the movement of fluids into or between underground sources of drinking water. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director. The well shall be plugged in accordance with the approved plugging and abandonment plan and with 40 CFR 146.10.

#### 3. Approved Plugging and Abandonment Plan.

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

## 4. Forty Five (45) Day Notice of Plugging and Abandonment.

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abanonment plan.

#### 5. Plugging and Abandonment Report.

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

- (a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or
- (b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

#### 6. Inactive Wells.

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

(a) Provides written notice to the Director;

- (b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and
- (c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

# PART III. CONDITIONS APPLICABLE TO ALL PERMITS

#### Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangement to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

#### Section B. CHANGES TO PERMIT CONDITIONS

#### 1. Modification, Reissuance, or Termination.

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

#### 2. Conversions.

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

#### 3. Transfer of Permit.

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

#### 4. Permittee Change of Address.

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

#### 5. Construction Changes, Workovers, Logging and Testing Data

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging, or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

#### Section C. SEVERABILITY

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

#### Section D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

#### Section E. GENERAL PERMIT REQUIREMENTS

#### 1. Duty to Comply.

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

#### 2. Duty to Reapply.

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

#### 3. Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

# 4. Duty to Mitigate.

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

#### 5. Proper Operation and Maintenance.

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

#### 6. Permit Actions.

This Permit may be modified, revoked and reissued or teminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

# 7. Property Rights.

This Permit does not convey any property rights of any sort, or any exclusive privilege.

#### 8. Duty to Provide Information.

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

#### 9. Inspection and Entry.

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

(a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit:

- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit:
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,
- (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

## 10. Signatory Requirements.

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

# 11. Reporting Requirements.

- (a) Planned changes. The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.
- (b) Anticipated noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) Monitoring Reports. Monitoring results shall be reported at the intervals specified in this Permit.
- (d) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- (e) Twenty-four hour reporting. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:
  - (i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or
  - (ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- (f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website http://www.nrc.uscg.mil/index.htm.
- (g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.
- (h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

#### Section F. FINANCIAL RESPONSIBILITY

#### 1. Method of Providing Financial Responsibility.

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

#### 2. Insolvency.

In the event of:

- (a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or
- (b) suspension or revocation of the authority of the trustee institution to act as trustee; or

(c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

#### **APPENDIX A**

# WELL CONSTRUCTION REQUIREMENTS

See diagram.

9-5/8 inch surface casing is set at 213 feet (GL) in a 12-1/4 inch hole. The surface casing is secured with 90 sacks of Class "G" cement that was circulated to the surface.

An 8-3/4 inch hole was drilled to a depth of 3504 feet (GL).

A 7-7/8 inch hole was drilled from 3504 feet to 7303 feet.

4-1/2 inch production casing was set from surface to a depth of 7286 feet. The casing was cemented with 1115 sacks of 50/50 Pozmix and 1248 sacks of 10% RFC.

Total Depth by Driller: 7300 feet.

Operator identifies Total Depth: 7303 feet.

Total Depth by Logger: 7313 feet. Plug Back Total Depth: 7288 feet

Applicant cites top of cement by Cement Bond Log at 542 feet.

The EPA identifies top of 80% bond index cement bond greater than a continous fifteen (15) feet from 3818 feet to 4078 feet. Confining interval is located 3818 feet to 4078 feet.

PROPOSED WELL CONVERSION TO SALT WATER DISPOSAL WELL

Operator will cement squeeze Mesaverde Formation perforations 6535 feet to 7088 feet (gross).

Operator will cement squeeze Wasatch Formation perforations 4898 feet to 6060 feet (gross).

Operator will set Cast Iron Cement Retainer (CICR) approximately 4880 feet. Two sacks of Class "G" cement will be set on top of CICR.

Proposed salt water disposal injection perforations are 3972 feet to 4226 feet (gross).

Operator will employ 2-3/8 inch tubing with packer set no more than 100 feet above the top perforation. (Applicant notes proposed packer setting approximately 3930 feet.)

There is no water sample of the propsed disposal interval. Operator will obtain water sample during well conversion.

CIGE 9
NWSE-Sec. 36-T9S-R22E
Underground Injection Control
Permit Application

ATTACHMENT M2

WELL: CIGE 9
FIELD: NATURAL BUTTES
API # 43-047-30419

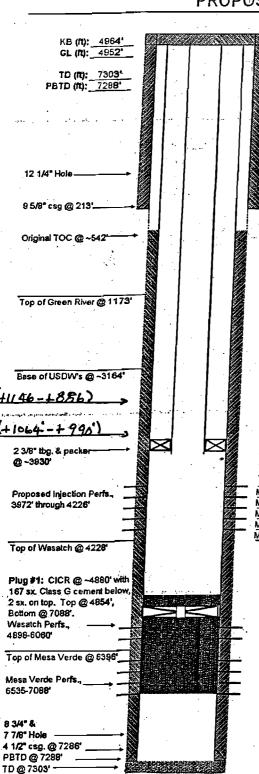
EPA PERMIT #:

CNTY: UINTAH STATE: UTAH FT.: LOC. 2090' FSL, 1852' FEL

LOC.

NWSE-36-95-22E ML-22650

# PROPOSED WELLBORE DIAGRAM



CASING	RECORD

HOLE (in)	SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	8TM (ft)
121/4	9 5/8	36	K-55	0	213
8 3/4					3504
7 7/8				3,504	7303
<u> · .</u>	4.1/2	11.6	N-80	. 0	7286

#### TUBING RECORD

SIZE (in)	WT (b/ft)	GRADE	TOP (ft)	BTM (ft)
2 3/8	4.7	J-55_	0	~3930
<del></del>		<del> </del>		

ITEM	MAKER	SIZE (in)	TOP (ft)
On/Off Tool	TBD	2 3/8	-3913
Packer	TBD_	4 1/2	~3915
6° tbg. sub	TBD	2 3/9	~3924
RN nipple	TBD	2 3/8	~3930

# PERFORATION RECORD INJECTION ZONE PERFORATIONS (PROVISIONAL)

INDECTION FORE PERSONS HONDING (FROTIDIOIDAL)									
ZONE	TOP (ft)	BTM (ft)	SPF	DATE SHOT	STATUS				
Green River	3972	3984	TBD	. N/A	PROPOSED				
Green River	4020	4022	TBD	N/A	PROPOSED				
Green River	4034	4044	TBD	NA	PROPOSED				
Green River	4062	4078	TBD	N/A	PROPOSED				
Green River	4111	4146	TBD	N/A	PROPOSED				
Green River	4148	4193	TBD	N/A	PROPOSED				
Green River	4206	4226	TBD	NA	PROPOSED				

#### EXCLUDED PRODUCTION PERFORATIONS

ZONE	TOP (ft)	BTM (ft)	SPF	DATE SHOT	STATUS
Wasatch	4898		11	09/08/78	SQZD.
Wasatch	4916			09/08/78	SQZD.
Wasatch	6060		<u> </u>	09/08/78	SOZD.
Mesa Verde	65 <b>35</b>			09/08/78	SQZD.
Mesa Verde	6569			09/08/78	SQZD.
Mesa Verde	6770			09/08/78	SQZD.
Mesa Verde	6886		1	. 09/08/78	SQZD.
Mesa Verde	7088		1	09/08/78	SOZD.

# APPENDIX B

# LOGGING AND TESTING REQUIREMENTS

#### Logs.

Logs will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

# NO LOGGING REQUIREMENTS

#### Tests.

Tests will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

WELL NAME: CIGE 9	/ <sup>N</sup> E
TYPE OF TEST	DATE DUE
Injection Zone Water Sample	Prior to Authorization to Commence Injection
Step Rate Test	Within the 180-day Limited period of Injection
Standard Annulus Pressure	Prior to authorization to commence injection

#### APPENDIX C

# OPERATING REQUIREMENTS

#### **MAXIMUM ALLOWABLE INJECTION PRESSURE:**

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

	MAXIMUM ALLOWED INJECTION PRESSURE (psi)			
WELL NAME	ZONE 1 (Upper)			
CIGE 9	1,365	:		

## **INJECTION INTERVAL(S):**

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

LL NAME: CIGE 9			
	APPROVED INJECTION INTERVAL (KB, ft)		FRACTURE GRADIENT
FORMATION NAME	TOP	BOTTOM	(psi/ft)
Uteland Butte Member of Green River Formation	3,972.00	- 4,228.00	0.780

#### **ANNULUS PRESSURE:**

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

#### **MAXIMUM INJECTION VOLUME:**

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

# APPENDIX D

# MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

OBSERVE	WEEKLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS
	Injection pressure (psig)
OBSERVE	Annulus pressure(s) (psig)
RECORD	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbls)

4.45	ANNUALLY OF THE SECOND SECOND
	Injected fluid total dissolved solids (mg/l)
ANIALVZE	Injected fluid specific gravity
ANALYZE	Injected fluid specific conductivity
	Injected fluid pH

14.	ANNUALLY
	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and averaged annulus pressure(s) (psig)
55555	Each month's averaged injection rate (bbl/day)
REPORT	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

Records of all monitoring activities must be retained and made available for inspection at the following location:

Westport Oil & Gas Company, L.P. 1368 South 1200 East Vernal, UT 84078

#### APPENDIX E

# PLUGGING AND ABANDONMENT REQUIREMENTS

# See diagram.

PLUG NO. 1: This plug was set during well conversion from a Wasatch-Mesaverde non-economic gas well to a Green River Formation salt water disposal well. Operator will cement squeeze gross Wasatch perforations 4898 feet to 6060 feet, and gross Mesaverde perforations 6535 feet to 7088 feet. Set CICR approximately 4880 feet. Set two (2) sacks of Class "G" cement on top of CICR.

PLUG NO. 2: Set CIBP approximately 4278 feet capped with fifty (50) of Class "G' cement.

PLUG NO. 3: Set CICR approximately 3960 feet. Place twenty (20) sacks of Class "G" cement below CICR. Plug will be set across gross proposed injection perforations 3972 feet to 4226 feet. Two (2) sacks of Class "G" cement on top of CICR.

PLUG NO. 4: Set CIBP approximately 3214 feet and capped with 100 feet of Class "G" cement. Base of USDW approximately 3164 feet.

PLUG NO. 5: Set CIBP approximately 1223 feet and capped witrh 100 feet of Class "G" cement.

Top of Green River Formation 1173 feet.

PLUG NO. 6: Perforate at 300 feet. (Bottom surface casing 213 feet.) Set 300-foot cement plug inside of 4-1/2 inch casing and similar plug on the backside of the 4-1/2 inch casing.

The operator intends to place 10 ppg brine between all plugs.

This Plugging and Abandonment Plan is approved by the EPA without modification.

CIGE 9

NWSE-Sec. 36-T9S-R22E Underground Injection Control

Permit Application

ATTACHMENT Q3

WELL: CIGE 9 FIELD: NATURAL BUTTES

API# 43-047-30419

CNTY: UINTAH STATE: UTAH

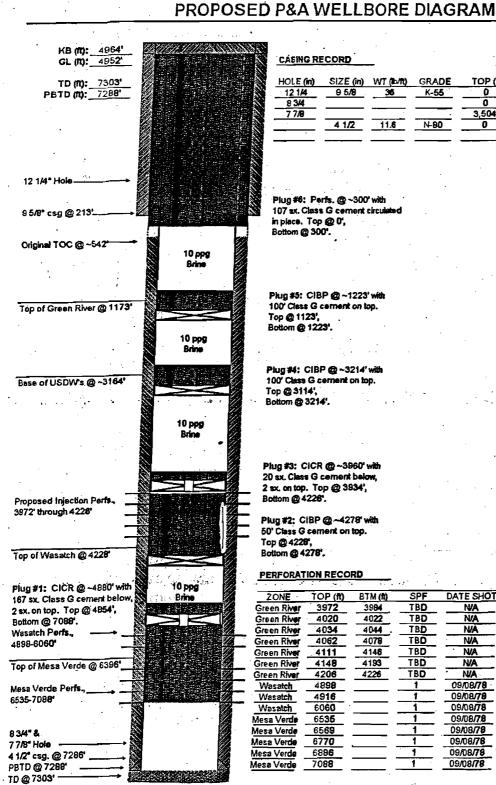
LOC.

2000' FSL, 1852' FEL

LEASE:

NWSE-36-95-22E ML-22650

# EPA PERMIT#:



#### CASING RECORD

HOLE (in)	SIZE (in)	WT (b/ft)	GRADE	TOP (ft)	BTM (ft)
12 1/4	9 5/8	36	K-55	0	213
8 3/4				0	3504
7 7/8				3,504	7303
-	4 1/2	11.6	N-80	0	7286

Plug #6: Perfs. @ ~300 with 107 sx. Class G coment circula in place. Top @ 0', Bottom @ 300'.

Plug #5: CIBP @ ~1223' with 100' Class G cornent on top. Top @ 1123', Bottom @ 1223'.

Plug #4: CIBP @ ~3214' with 100' Class G cernant on top. Top @ 3114', Bottom @ 3214'.

Plug #3: CICR @ ~3960' with 20 sx. Class G cement below, 2 sx. on top. Top @ 3934', Bottom @ 4226.

Plug #2; CIBP @~4278' with 50' Class G cement on top. Top @ 4228', Bottom @ 4278'.

#### PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF	DATE SHOT	STATUS
Green River	3972	3984	TBD	NA	PROPOSED
Green River	4020	4022	TBD	NA	PROPOSED
Green River	4034	4044	TBD	NA	PROPOSED
Green River	4062	4078	TBD	N/A	PROPOSED
Green River	4111	4146	TBD	N/A	PROPOSED
Green River	4148	4193	TBD	NA	PROPOSED
Green River	4206	4226	TBD	N/A	PROPOSED.
Wasatch	4898		1	09/08/78	SOZD.
Wasatch	4916		1	09/08/78	SOZD.
Wasatch	6060		1	09/08/78	SOZD.
Mesa Verde	65 <b>35</b>		1	09/08/78	SQZD.
Mesa Verde	65 <b>69</b>		1	09/08/78	SOZD.
Mesa Verde	67 <b>70</b>		1	09/08/78	SOZD.
Mesa Verde	68 <b>96</b>		1	09/08/78	SOZD.
Mesa Verde	7088		1	09/08/78	SQZD.

#### APPENDIX F

### CORRECTIVE ACTION REQUIREMENTS

No corrective action is required for the NBU No. 922-361. Although no 80% bond index cement bond can be demonstrated within the confining zone, the following analysis of the theoretical hydrostatic head rise of fluid injected into the CIGE No. 9 demonstrates that the injectate will not rise to the estimated base of the Underground Source of Drinking Water (USDW)(3246 feet) in the NBU No. 922-361. This analysis indicates that the vertical migration of fluid in the NBU No. 922-361 will rise to an estimated depth below surface of 3554 feet.

π r² q u B k h t n	= = = = = = = = = = = = = = = = = = = =	3.1417 1320 <sup>2</sup> Estimated BWPD injected (750 BWPD) 1 (viscosity) Formation Volume Factor Permeability (Est. 25 md) Maximum thickness all sands (Est. 80 feet) Days of injection (10,402 days) Porosity (10%) Compressibility (7.5 X <sup>10-6</sup> )
Pi	=	(Zero) Initial Reservoir Pressure
Pr	, <b>=</b> .	Pressure buildup
V t H 162 70.4 5.61	=	Injection volume Time to fill estimated 80 feet in AOR: 28.5 years or 10,402 days. Hydrostatic head rise in T (28.5 years) = 485-foot rise in NBU No. 922-361 Constant Constant Cubic feet/bbl
	V V V	= $\pi r^2 b n / 5.615$ = $(3.1417) (1320^2) (80) (0.10) / 5.615$ = $7,799,249 \text{ barrels}$
•••••	t t t	= V / (365) (q) = 7,799,249 / (365) (750) = 28.5 years10,402 days
	Pr Pr Pr Pr	$= [Pi + 162.5 (q) (u) (B) / (k) (h)] log [(k) (t) / (70.4) (q) (u) (c) (r2)]$ $= [0 + 162.5 (750)(1)(1)(25)(80)] log [{25}(10,402)/(70.4)(0.10)(1)$ $= (0.0000075)(1,742,400)$ $= 210$
••••••	H H H	= Pr/0.433 = 210/0.433 = 485-foot rise above top perforation in CIGE No. 9. In NBU 922-361 the correlative interval is 4039 feet. In 28.5 years rise will approximate 3554 feet. The base of the USDW in NBU 922-361 is 3246 feet.

On a weekly basis the permittee shall inspect the surface of the NBU No. 922-361 for any surface expression of injectate fluid. Should contamination be observed, the permittee shall shut-in the CIGE No. 9, and inform the EPA of such leakage. The permittee will conduct remedial work on the NBU No. 922-361, and submit to the EPA the EPA WELL REWORK RECORD (Enclosed).

# STATEMENT OF BASIS

# WESTPORT OIL AND GAS COMPANY, L.P. CIGE 9 UINTAH COUNTY, UT

**EPA PERMIT NO. UT20975-06401** 

**CONTACT:** Emmett Schmitz

U. S. Environmental Protection Agency

Ground Water Program, 8P-W-GW

999 18th Street, Suite 300 Denver, Colorado 80202-2466

Telephone: 1-800-227-8917 ext. 6174

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

UIC Permits specify the conditions and requirements for construction, operation, monitoring and reporting, and plugging of injection wells to prevent the movement of fluids into underground sources of drinking water (USDWs). Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the conversion and operation of a "new" injection well or wells governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

ANAL PERM

#### PART I. General Information and Description of Facility

Westport Oil and Gas Company, L.P. 1670 Broadway Suite 2800 Denver, CO 80202-4801

on

April 28, 2004

submitted an application for an Underground Injection Control (UIC) Program Permit for the following injection well or wells:

The CIGE No. 9 is currently an uneconomic Wasatch & Mesaverde Formations gas well. The permittee intends to convert the CIGE No. 9 to a salt water disposal (SWD) facility. As detailed in Appendix A (Well Construction Requirements), the permittee will dispose of permittee/operator produced Wasatch & Mesaverde Formations water into the Uteland Butte Member of the Green River Formation proposed gross perforations 3972 feet to 4226 feet.

#### CIGE 9 2090' FSL 1852 FEL, NWSE S36, T9S, R22E Uintah County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The Permit application, including the required information and data necessary to issue a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed by EPA and determined to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

	TABLE 1.1					
WELL STATUS / DATE OF OPERATION						
	CONVERSION WELLS					
Well Name	Well Status	Date of Operation				
CIGE 9	Conversion	N/A				

#### **Hydrogeologic Setting**

#### Geologic Setting (TABLE 2.1)

<b>TABLE 2.1</b>
<b>GEOLOGIC SETTING</b>
CIGE 9

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Lithology
Uinta Formation	0.00	1,173.00	< 10,000.00	Calcareous shale, some limestone, claystone, siltstone and sandstone. Fluvial deposits on east and west margins. Some lacustrine sediments in central basin area.
Green River	1,173.00	4,228.00	> 10,000.00	In the central Uinta Basin area, the gross Green River Formation comprises lacustrine sand, limestone, maristone, shale. On the basin margins are fluvial sand and shale. The CIGE No. 9 has TD in the Mesaverde Formation.
Wasatch	4,228.00	6,535.00	10,000.00 - 31,000.00	Predominantly a red-colored, non-lacustrine formation and overlies the Tertiary Wasatch Foirmation. The upper part of the Wasatch interfingers with the Green River Formation. The Wasatch contains shale, fluviatile mudstone, discontinuous sands, and minor limestone.
Mesaverde	6,396.00	7,303.00	> 10,000.00	Depth to bottom of 7073 feet is the driller total depth. The Mesaverde Formation consists of a basal marine littoral sand; brackish water coalbearing sand and shale; and the upper member is composed of continental sand and shale.

#### Proposed Injection Zone(s) (TABLE 2.2)

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by the confining zone which is free of known open faults or fractures within the Area of Review.

# TABLE 2.2 INJECTION ZONES CIGE 9

Formation Name	; Tan /#\	Page (#)	TDC (	Fractu <b>re</b> Gradie <b>nt</b> (psi/ft)	Daniel	F
Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	(banie)	Porosity	Exempted?*
Uteland Butte Member of Green River Formation	3,972.00	4,228.00		0.780		N/A
	•		· ·			
* C - Currently Exempted			• •			
E - Previously Exempted				•		
P - Proposed Exemption						
N/A - Not Applicable						

#### Confining Zone(s) (TABLE 2.3)

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

	TABLE 2.3	· .	
	CONFINING ZONES		
	CIGE 9		
Formation Name	Formation Lithology	Top (ft)	Base (ft)
Green River	Shale	3,900.00	3,974.00

#### Underground Sources of Drinking Water (USDWs) (TABLE 2.4)

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

The State of Utah "Water Wells and Springs", http://NRWRT1.NR.STATE.UT.US, identifies no public water supply wells within the one-quarter (1/4) mile Area-of-Review (AOR) of the CIGE No. 9.

There is no water analysis of the intended injection interval, i.e., the Uteland Butte Member of the Green River Formation, 3972 feet to 4228 feet. The base of USDW, as described from Plate 1-Technical Publication No. 92-State of Utah- Department of Natural Resources, is approximately 3164 feet. It is the intent of the operator to acquire a water analysis of the proposed disposal interval during well conversion.

# TABLE 2.4 UNDERGROUND SOURCES OF DRINKING WATER (USDW) CIGE 9

Formation Name	Formation Lithology	Top (ft)	Base (ft)	TDS (mg/l)	
Green River	The Uinta Formation is exposed at the surface. The Uinta Formation is composed of lenticular fluvial sandstone of varying thickness, interbedded with varicolored shale. The Green River Formation is 3055 feet thick (1173 feet to 4228 feet). The Green River Formation is composed of lake margin and fluvial sands, limestone and shale. Several	0.00	3,164.00	< 10,000.00	
	distinct Members and sub-units are identified within the Green River		·	•	•

#### PART III. Well Construction (40 CFR 146.22)

#### See Diagram

9-5/8 inch surface casing is set at 213 feet (GL) in a 12-1/4 inch hole. The surface casing is secured with 90 sacks of Class "G" cement that was circulated to the surface.

An 8-3/4 inch hole was drilled to a depth of 3504 feet (GL).

A 7-7/8 inch hole was drilled from 3504 feet to 7303 feet.

4-1/2 inch production casing was set from surface to a depth of 7286 feet. The casing was cemented with 1115 sacks of 50/50 Pozmix and 1248 sacks of 10% RFC.

Total Depth by Driller: 7300 feet.

Operator identifies Total Depth: 7303 feet.

Total Depth by Logger: 7313 feet.
Plug Back Total Depth: 7288 feet

Applicant cites top of cement by Cement Bond Log at 542 feet.

The EPA identifies top of 80% bond index cement bond greater than a continous fifteen (15) feet from 3818 feet to 4078 feet. Confining interval is located 3818 feet to 4078 feet.

#### PROPOSED WELL CONVERSION TO SALT WATER DISPOSAL WELL

Operator will cement squeeze Mesaverde Formation perforations 6535 feet to 7088 feet (gross).

Operator will cement squeeze Wasatch Formation perforations 4898 feet to 6060 feet (gross).

Operator will set Cast Iron Cement Retainer (CICR) approximately 4880 feet. Two sacks of Class "G" cement will be set on top of CICR.

Proposed salt water disposal injection perforations are 3972 feet to 4226 feet (gross).

Operator will employ 2-3/8 inch tubing with packer set no more than 100 feet above the top perforation. (Applicant notes proposed packer setting approximately 3930 feet.)

There is no water sample of the proposed disposal interval. Operator will obtain water sample during well conversion.

# TABLE 3.1 WELL CONSTRUCTION REQUIREMENTS CIGE 9

Casing Type	Hole Size (in)	Casing Size (in)	Cased Interval (ft)	Cemented Interval (ft)
Production	7.75	4.50	0.00 - 7,286.00	542.00 - 7,303.00
Surface	12.25	9.63	0.00 - 213.00	0.00 - 213.00

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

#### Casing and Cementing (TABLE 3.1)

The construction plan for the well or wells proposed for conversion to an injection well was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction and conversion details for the well or wells are shown in TABLE 3.1.

An EPA analysis of the Cement Bond Log of the CIGE No. 9 delineates 80% bond index cement bond from 3818 feet to 4078 feet. The confining interval is 3900 feet to 3974 feet. The gross proposed injection interval is 3972 feet to 4226 feet. The annulus cement bond appears adequate to preclude vertical migration of injected fluid outside of the proposed gross injection interval. No remedial cementing is required prior to receiving authorization to commence injection.

#### Tubing and Packer

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

#### Tubing-Casing Annulus (TCA)

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a corrosion inhibitor or other fluid approved by the Director.

The tubing/casing annulus must be kept closed at all times so that it can be monitored as rquired under the conditions of the Permit.

#### **Monitoring Devices**

The permittee will be required to install and maintain wellhead equipment allowing for monitoring pressures and providing access for sampling the injected fluid. This equipment includes: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) pressure gauges attached to the injection tubing and the TCA to monitor the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored

activity.

#### PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

	AOR AND	TABLE 4.1 CORRECTIVE A	CTION		
Well Name	Туре	Status (Abandoned Y/N)	Total Depth (ft)	T <b>OC</b> Depth (ft)	CAP Required (Y/N)
NBU 922-361	Producer	No .	8,907.00	450.00	No

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

On a weekly basis the permittee shall inspect the surface of the NBU No. 922-361 for any surface expression of injectate fluid. Should contamination be observed, the permittee shall shut-in the CIGE No. 9 and inform the EPA of such leakage. The permittee will conduct remedial work on the NBU No. 922-361 and submit to the EPA the EPA WELL REWORK RECORD (enclosed). No injection shall commence until the permittee receives written authorization from the Director. There is no 80% bond index cement bond within the confining zone of the NBU No. 922-361. Please refer to Appendix F (Corrective Action). It has been calculated that the theoretical hydrostatic head rise of injectate (3554 feet) will not rise to the estimated base of the USDW (3264 feet). The estimated time period for the injectate to rise to 3554 feet is 28.5 years.

#### Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

#### Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

TABLE 4.1 lists the wells in the AOR, and shows the well type, operating status, depth, top of casing cement and whether a CAP is required for this well.

#### PART V. Well Operation Requirements (40 CFR 146.23)

# TABLE 5.1 INJECTION ZONE PRESSURES CIGE 9 Depth Used Fracture to Calculate Gradient Initial MAIP (psi/ft) (psi)

0.780

1,365

3.972.00

**Approved Injection Fluid** 

**Formation Name** 

Uteland Butte Member of Green River Formation

The approved injection fluid is limited to fluids which meet requirements pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are not approved.

#### Injection Pressure Limitation

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit,

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

FP = formation fracture pressure (measured at surface)

fg = fracture gradient (from submitted data or tests)

sg = specific gravity (of injected fluid)

d = depth to top of injection zone (or top perforation)

#### Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aquifer that has been exempted from protection as a USDW.

#### Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

- 1. there is no significant leak in the casing, tubing, or packer (Part I); and
- 2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below:

Well construction/conversion and site-specific conditions dictate the following requirements for Mechanical Integrity (MI) demonstrations:

PART I MI - Internal MI will be demonstrated prior to beginning injection. Since this well is constructed with a standard casing, tubing, and packer configuration, a successful mechanical integrity test (MIT) is required to take place once every five (5) years. A demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing or packer. Part I MI may be demonstrated by a standard tubing-casing annulus pressure test using the maximum permitted injection pressure or 1000 psi, whichever is less, with a ten (10) percent or less pressure loss over thirty (30) minutes.

Part II MI - Cement records for this well show that adequate cement exists behind pipe, i.e., the Confining Interval. The CBL confirms that this cement meets or exceeds minimum requirements needed to demonstrate zone isolation (at least 15 feet of continuous 80% bond, or better) through the Confining Zone. The CBL for this well shows 260 feet (3818 feet to 4078 feet) of 80% or greater bond, which includes the Confining Zone 3900 feet to 3974 feet. Further testing for Part II will not be required.

#### PART VI. Monitoring, Recordkeeping and Reporting Requirements

#### **Injection Well Monitoring Program**

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, injection flow rate and cumulative fluid volume, and the maximum and average value for each must be determined for each month. This information is required to be reported annually as part of the Annual Report to the Director.

#### PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)

#### Plugging and Abandonment Plan

Prior to abandonment, the well or wells must be plugged with cement in a manner which will not allow the movement of fluids either into or between USDWs. The plugging and abandonment plan is described in Appendix E of the Permit.

PLUG NO. 1: This plug was set during well conversion from a Wasatch-Mesaverde non-economic gas well to a Green River Formation salt water disposal well. Operator will cement squeeze gross Wasatch perforations 4898 feet to 6060 feet, and gross Mesaverde perforations 6535 feet to 7088

Permit UT20975-06401 11 FIRST Statement of Basis

feet. Set CICR approximately 4880 feet. Set two (2) sacks of Class "G" cement on top of CICR.

PLUG NO. 2: Set CIBP approximately 4278 feet capped with fifty (50) of Class "G' cement.

PLUG NO. 3: Set CICR approximately 3960 feet. Place twenty (20) sacks of Class "G" cement below CICR. Plug will be set across gross proposed injection perforations 3972 feet to 4226 feet. Two (2) sacks of Class "G" cement on top of CICR.

PLUG NO. 4: Set CIBP approximately 3214 feet and capped with 100 feet of Class "G" cement. Base of USDW approximately 3164 feet.

PLUG NO. 5: Set CIBP approximately 1223 feet and capped witrh 100 feet of Class "G" cement. Top of Green River Formation 1173 feet.

PLUG NO. 6: Perforate at 300 feet. (Bottom surface casing 213 feet.) Set 300-foot cement plug inside of 4-1/2 inch casing and similar plug on the backside of the 4-1/2 inch casing.

The operator intends to place 10 ppg brine between all plugs.

This Plugging and Abandonment Plan is approved by the EPA without modification.

#### PART VIII. Financial Responsibility (40 CFR 144.52)

#### **Demonstration of Financial Responsibility**

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

Surety Bond, received April 20, 2004

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

Permit UT20975-06401 12 FINAL PERMIT Statement of Basis



SEPA

United States Environmental Protection Agency Washington, DC 20460

## **Application To Transfer Permit**

Vame and	d Address of Existin	ng Permittee	· ·		Name and Ad	dress of Surface Owner	<del>-</del>
						٠.	
	<u> </u>				·		
	te Well and Outline on Plat- 640 Acres			State		County .	Permit Number
	Ň			Surface Location	Description		
	<u> </u>			1/4 of1	/4 of 1/4	of 1/4 of Section_	Township Range ter section and drilling unit
<u> </u>	<del>-                                    </del>	<del></del>		Locate well in two	o directions fro	m nearest lines of quar	ter section and drilling unit
<u> </u>	<del>-                                    </del>	<del>- i - i -  </del>		Surface			·
					from (N/S)	Line of quarter section	on
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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

## WASHINGTON, DC 20460

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#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true. accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprinsorment for knowing violations. (REF. 40 CFR 122:22)

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#### UNITED TAKES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

999 18th STREET - SUITE 500 DENVER, COLORADO 80202-2466

SUBJECT: GROUND WATER SECTION GUIDANCE NO. 34

Cement bond logging techniques and interpretation

FROM:

Tom Pike, Chief .

UIC Direct Implementation Section

TO:

All Section Staff

Montana Operations Office

These procedures are to be followed when running and interpreting cement bond logs for injection and production (area of review) wells.

#### PART I - PREPARE THE WELL

Allow cement to cure for a sufficient time to develop full compressive strength. A safe bet is to let the cement cure for 72 hours. If you run the bond log before the cement achieves its maximum compressive strength, the log may show poor bonding. Check cement handbooks for curing times.

Circulate the hole with a fluid (either water or mud) of uniform consistency. Travel times are influenced by the type of fluid in the hole. If the fluid changes between two points, the travel times may "drift," causing difficulty in interpretation and quality control.

Be prepared to run the cement bond log under pressure to reduce the effects of micro-annulus. Micro-annulus may be caused by several reasons, but the existence of a microannulus does not necessarily destroy the cement's ability to form a hydraulic seal. If the log shows poor bonding, rerun the log with the slightly more pressure on the casing as was present when the cement cured. This will cause the casing to expand against the cement and close the micro-annulus.

#### PART II - PARAMETERS TO LOG

Amplitude (mV) - This curve shows how much acoustic signal reaches a receiver and is an important indicator of cement bond. Record the amplitude on the 3 foot spaced receiver.

Travel time  $(\mu s)$  - This curve shows the amount of time it takes an acoustic signal to travel between the source and a receiver. For free pipe of a given size and weight, the travel time between points is very predictable, although variable among different company's tools. Service companies should be able to provide accurate estimates of travel times for free pipe of a given size and weight. Travel time is required as a quality control measurement. Record the travel time on the 3 foot spaced receiver.

Variable density (VDL) - Pipe signals, formation signals, and fluid signals are usually easy to recognize on the VDL. If these signals can be identified, a practical determination for the presence or absence of cement can be made. VDL is logged on the 5 foot spaced receiver.

Casing collar locator (CCL) - Used to correlate the bond log with cased hole logs and to match casing collars with the collars that show up on the VDL portion of the display.

Gamma ray - Used to correlate the bond log with other logs.

#### PART III - LOGGING TECHNIQUE

Calibrate the tool in free pipe at the shop, prior to, and following the log run. Include calibration data with log.

Run receivers spaced 3 feet and 5 feet from transmitter.

Run at least 3 bow-type or rigid aluminum centralizers in vertical holes, 6 centralizers in directional holes. A CCL is not an adequate centralizer.

Complete log header with casing/cement data, tool/panel data, gate settings and tool sketch showing centralizers.

Set the amplitude gate so that skipping does not occur at amplitudes greater than 5 mV.

Record amplitude with fixed gate and note position on log.

Record amplified amplitude on a 5X scale for low amplitudes.

Record amplitude and travel time on the 3 foot receiver.

Record travel time on a 100  $\mu$ s scale (150 - 250, 200 - 300).

Logging speed should be approximately 30 ft/min.

Log repeat sections.

#### PART IV - QUALITY CONTROL

Compare the tool calibration data to see if the tool "drifts" during logging. Differences in the calibration data may require you to re-log the well to obtain reliable data.

Compare repeat sections to see if logging results are repeatable.

Check the logged free pipe travel times with the service company charts for the specific tool and casing size used. Since the travel times depend on such factors as casing weight, type of fluid in the hole, etc., these charts should be used only as guidelines. When you are confident of the

free-pipe travel times as seen on the log, use them. When interpreting the log, a decrease in travel time (faster times) with simultaneous reduction of amplitude may show a de-centered tool. A 4 to 5 micro-second ( $\mu$ s) decrease in travel time corresponds to about a 35% loss of amplitude. A decrease in travel time more than 4 to 5  $\mu$ s is unacceptable.

#### PART V - LOG INTERPRETATION

Do not rely on the service company charts for amplitudes corresponding to a good bond. These amplitudes depend on many factors: type of cement used, fluid in the hole, etc.

To estimate bond index, choose intervals on the log that correspond to 0% bond and 100% bond. Read the amplitude corresponding to 100% bond from the best-bonded interval on the log (NOTE: the accuracy of this amplitude reading is very critical to the bond index calculations). Next, find the amplitude corresponding to 0% bond. Some bond logs may not include a section with free pipe. In this instance, choose the appropriate free-pipe travel time from the service company charts for your specific tool, or from the generalized chart (TABLE 2) at the end of this guidance. To calculate a bond index of 80%, use the following equation:

$$A_{80} = 10^{[(0.2)\log(A_0) + (0.8)\log(A_{100})]}$$

where:

 $A_{80}$  = Amplitude at 80% bond (mV)  $A_{0}$  = Amplitude at 0% bond (mV)  $A_{100}$  = Amplitude at 100% bond (mV)

#### EXAMPLE

As an example, consider a bond log showing the following conditions:

- Free pipe (0% bond) amplitude at 81 mV.
- 100 % bond amplitude at 1 mV.

Substituting the above values into the equation results in:

$$A_{80} = 10^{(0.2)\log(81)+(0.8)\log(1)}$$

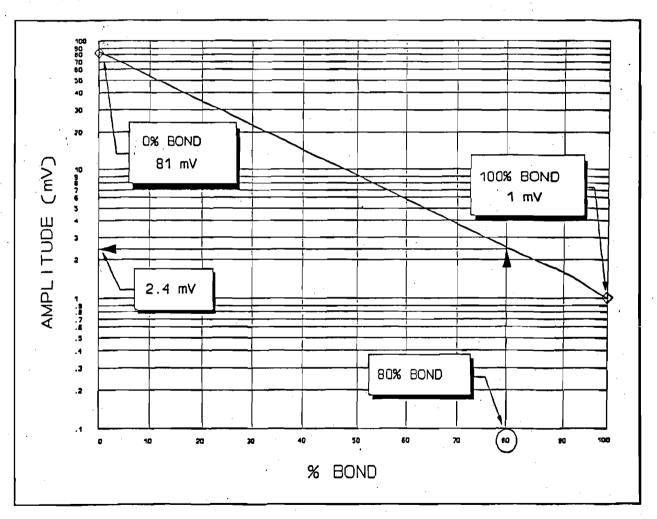
 $A_{80} = 2.41 mV$ 

Another way to calculate the amplitude at 80% bond is by plotting these same log readings on a semi-log chart.

Plot the values for 0% Bond and 100% Bond vs. their respective Amplitudes on a semi-log chart - amplitudes on the log scale (y-axis), and bond indices on the linear scale (x-axis). Then, connect the points with a straight line.

To estimate the amplitude corresponding to an 80% Bond Index, enter the graph on the x-axis at 80% bond. Draw a straight line upward until you reach the diagonal line connecting the 0% and 100% points. Continue by drawing a horizontal line to the y-axis. This point on the y-axis is the amplitude corresponding to an 80% Bond Index.

Using the values from the example above, your chart will look like that shown below:



In this example, 80% bond shows an amplitude of 2.4 mV.

A convenient way to evaluate the log is to draw a line on the bond log's amplified amplitude (5X) track corresponding to the calculated 80% bond amplitude. Whenever the logged amplified amplitude (5X) curve drops below (to the left of) the drawn line, this indicates a bond of 80% or more.

#### PART IV - CONCLUSIONS - REMINDERS

Different pipe weights and cement types will affect the log readings, so be mindful of these factors in wells with varying pipe weights and staged cement or squeeze jobs.

Collars generally do not show up on the VDL track in well-bonded sections of casing.

Longer (slower) travel time due to cycle skipping or cycle stretch usually suggests good bonding.

Shorter (faster) travel times indicate a de-centered tool or a fast formation and will provide erroneous amplitude readings that make evaluation impossible through that section of the log. Fast formations do not assure that the cement contacts the formation all around the borehole.

Although the bond index is important, you should not base your assessment of the cement quality on that one factor alone. You should use the VDL to support any indication of bonding. Also, you must know how each portion of the CBL (VDL, travel time, amplitude, etc.) influences another.

Most 3'-5' CBL's cannot identify a 1/2" channel in cement. Therefore, you also need to consider the thickness of a cemented section needed to provide zone isolation. For adequate isolation in injection wells, the log should indicate a continuous 80% or greater bond through the following intervals as seen in TABLE 1, below:

TABLE 1 - INTERVALS FOR ADEQUATE BOND

PIPE DIAMETER (in)	CONTINUOUS INTERVAL WITH BOND ≥ 80% (ft)
4-1/2	15
5	15
5-1/2	18
. 7	33
7-5/8	36
9-5/8	45
10-3/4	54

Adequately bonded cement by itself will not prevent fluid movement. If the bond log shows adequate bond through an interval where the geology allows fluid to move (permeable and/or fractured zones), fluids may move around perfectly bonded cement by travelling through the formation. Always cross-check your bond log with open hole logs to see that you have adequate bonding through the proper interval(s).

TABLE 2 - TRAVEL TIMES AND AMPLITUDES FOR FREE PIPE (3 FT RECEIVER)

			<u> </u>	<u> </u>
CASING SIZE (in)	CASING WEIGHT (1b/ft)	TRAVEL TI	ME (μs) 3-5/8" TOOL	AMPLITUDE (mV)
(111)	9.5	252	233	81
4-1/2	11.6	250	232	81
	13.5	249	230	81
	15.0	257	238	76
5	18.0	255	236	76
	20.3	253	235	76
<del></del>	15.5	266	248	72
5-1/2	17.0	265	247	72
5-1/2	20.0	264	245	72
	23.0	262	243	72
	23.0	291	271	62
	26.0	289	270	62
	29.0	288	268	62
7	32.0	286	267	62
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	38.0	283	264	62
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	39:0	· 295 ·	276	· 59
	40.0	333	313	51
9-5/8	43.5	332	311	51
, , , ,	47.0	330	310	51
	53.5	328	309	51
	40.5	354	333	48
10-3/4	45.5	3 <b>52</b>	332	48
/ -	51.0	350	330	48
	55.5	349	328	48

SUBJECT: GROUND WATER SECTION GUIDANCE NO. 35

Procedures to follow when excessive annular pressure is

observed on a well.

FROM: Tom Pike, Chief

UIC Direct Implementation Section

TO: All Section Staff

Montana Operations Office

The following procedure is intended as an aid to UIC field inspectors when they encounter excessive annular pressure on a well. Excessive annular pressure is defined as 100 psi or 10% of the tubing pressure, whichever is less.

Usually, annular pressure is a direct indication of a loss of mechanical integrity. In some instances, recurring annular pressure may be caused by fluctuations in the temperature of the injected fluid. These temperature fluctuations may cause the annular pressure to increase when a hot fluid is being injected and decrease as the temperature of the injected fluid cools. The presence of temperature-induced pressure on the annulus does not indicate a malfunction in the casing/tubing/packer system and is not considered a loss of mechanical integrity. Wells exhibiting recurring temperature-induced annular pressure may be allowed to continue injecting if a temperature monitoring program is approved and followed.

This guidance was written to help determine the cause of annular pressure. When the procedures in this guidance are followed, any major mechanical integrity problems (a breech in the casing/tubing/packer system) will become apparent quickly. A quick determination will allow the operator to begin follow-up procedures immediately to prevent contamination to USDWs.

Use Section Guidance No. 35 to determine <u>if</u> the well has experienced a loss of mechanical integrity. If you find that there <u>is</u> a loss of mechanical integrity, use *Headquarters Guidance No.* 76. - Follow-up to loss of Mechanical Integrity for Class II Wells to bring the well back into compliance. The use of Section Guidance No. 35 is not to be confused with, nor does it supersede any provision of Headquarters Guidance No. 76. Instead, the two guidance documents are meant to work together to identify and to remedy any potential mechanical integrity failure.

A flowchart for Section Guidance No. 35 is included for quick reference in the field.

DOES PRESSURE
RETURN TO THE
NULUS AFTER 15
UTES?

YES

<u>NQ</u>

On your inspection form, note the annulus and tubing pressures recorded after 15 minutes.

Have the operator shut the well in for 2 hours, and if possible, bleed pressure from the injection tubing. Record the tubing and annulus pressure after two hours.

Bleed off the annulus for 60 seconds. Record the tubing and annulus pressures after bleed-off, and estimate the volume bled off.

INFORM THE OPERATOR THAT THE WELL HAS AN APPARENT MECHANICAL INTEGRITY FAILURE and provide the operator with the guidance that discusses OPERATOR RESPONSIBILITIES FOLLOWING MECHANICAL INTEGRITY FAILURES.

END PROCEDURE.

DOES PRESSURE
RETURN TO THE
ANNULUS WITHIN
14 DAYS?

YES

EPA Technical Expert will design a proper Mechanical Integrity test.

Compliance officer will require the operator to conduct the test within 14 days.

DOES THE WELL PASS THE MIT?

YES

Require the operator to monitor and report to EPA with the annulus and tubing pressures for at least 14 days to see if pressure returns to the annulus.

Instruct the operator to contact EPA as soon as any pressure returns to the

Require the operator to monitor and report to EPA with the annulus and tubing pressures for at least 14 days to see if pressure returns to the annulus.

Instruct the operator to contact EPA as soon as any pressure returns to the annulus.

NQ

The well is considered to have mechanical integrity.

END PROCEDURE.

NO

INFORM THE OPERATOR THAT THE WELL HAS AN APPARENT MECHANICAL INTEGRITY FAILURE and provide the operator with the guidance that discusses OPERATOR RESPONSIBILITIES FOLLOWING MECHANICAL INTEGRITY FAILURES.

END PROCEDURE.

#### 14-DAY PRESSURE MONITORING

Please use this form to report data for a 14-day period after pressure is led from the tubing-casing annulus. Please telephone EPA in Denver as soon as ossible when/if pressure returns to the annulus. This data will be used to letermine the cause(s) of recurrent annular pressure.

OTE:

ELL NAME:

DO NOT BLEED PRESSURE FROM ANNULUS DURING THE 14-DAY MONITORING PERIOD.

	DATE	TIME	ANNULUS PRESSURE (psi)	TUBING PRESSURE (psi)	WELL INJECTING (YES/NO)
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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCT

999 18th STREET - SUITE 500 DENVER, COLORADO 80202-2466

# OPERATOR RESPONSIBILITIES FOLLOWING MECHANICAL INTEGRITY FAILURES

- 1) IMMEDIATELY Cease injection and shut-in the well as rapidly as feasible. In no case shall the well remain in operation beyond 48 hours unless Tom Pike, Chief, Underground Injection Control Implementation (UIC-I) Section [(303) 293-1544] allows for temporary operation of the well.
- 2) <u>WITHIN 24 HOURS</u> Verbally notify the UIC-I Section Chief of MIT failure even in cases where the failure is detected during a test which was witnessed by a UIC inspector.
- 3) <u>WITHIN 5 DAYS</u> Submit a written follow-up report documenting test results, remediation taken or a proposed remediation plan and any limits established by the Director on appropriate volume or time for continued injection operation.



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

#### REGION VIII

999 18th STREET - SUITE 300 DENVER, COLORADO 80202-2466

SUBJECT:

GROUND WATER SECTION GUIDANCE NO. 37

Demonstrating Part II (external) Mechanical Integrity

for a Class II injection well permit.

FROM:

Tom Pike, Chief

UIC Direct Implementation Section

TO:

All Section Staff

Montana Operations Office

During the review for a Class II injection well permit, consideration must be given to the mechanical integrity (MI) the well. MI demonstrates that the well is in sound condition and that the well is constructed in a manner that prevents injected fluids from entering any formation other than the authorized injection formation.

A demonstration of MI is a two part process:

- PART I INTERNAL MECHANICAL INTEGRITY is an assurance that there are no significant leaks in the casing/tubing/packer system.
- PART II EXTERNAL MECHANICAL INTEGRITY demonstrates that after fluid is injected into the formation, the injected fluids will not migrate out of the authorized injection interval through vertical channels adjacent to the wellbore.

A class II injection well may demonstrate Part II MI by showing that injected fluids remain within the authorized injection interval. This may be accomplished as follows:

- Cement bond log showing 80% bond through the an appropriate interval (Section Guidance 34),
- Radioactive tracer survey conducted according to a EPA-2) approved procedure, or
- 3) Temperature survey conducted according to a EPAapproved procedure (Section Guidance 38).

For each test option above, the operator of the injection well should submit a plan for conducting the test. The plan will then be approved (or modified and approved) by EPA. EPA's preapproval of the testing method will assure the operator that the

test is conducted consistent with current EPA guidance, and that the test will provide meaningful results.

Part II MI may be demonstrated either before or after issuing the Final Permit. However, if Part II is to be demonstrated after the Final Permit is issued, a provision in the permit will require the demonstration of Part II MI. The well will also be required to pass Part II MI prior to granting authorization to inject.

Radioactive tracer surveys and temperature surveys require that the well be allowed to inject fluids as part of the procedure. In these cases, a well that has shown no other demonstration of Part II MI will be allowed to inject only that volume of fluid that is necessary to conduct the appropriate test.

After the results of the test proves that the well has passed Part II MI, the well will be given authorization to begin full injection operations.

If any of the tests show a lack of Part II MI, the well will be repaired and retested, or plugged (See Headquarters Guidance #76).

# Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test U.S. Environmental Protection Agency Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW

:	333 18 Street' 2016:	500 Dentel, 60 66202-2466	
EPA Witness:		Date: /	
Test conducted by:			<u> </u>
Others present:			
Well Name:		Type: ER SWD	Status: AC TA UC
Field:	: TN/S R	R/W County	State*
Operator:			
Last MIT: /	/ Maximum Allov	vable Pressure:	PSIG
	luled test? [ ] Yes [ or permit? [ ] Yes [	] No ] No	
Test after wel	I rework? [ ] Yes [	] No	•
Well injecting du	ring test? [ ] Yes [	] No If Yes, rate:	bpd
Pre-test casing/tubing annul	is pressure:	psig	
MITDATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		yes -
Initial Pressure	psig	psig	psig
End of test pressure	<u>psig</u>	psig_	psig
CASING / TUBING	ANNULUS	PRESSURE	
0 minutes	psig	psig	psig
5 minutes	psig	psig	psig
10 minutes	psig	psig	psig
15 minutes	psig	psig	psig
20 minutes	psig	psig	psig
25 minutes	psig	psig	psig
30 minutes	psig	psig	psig
minutes		·	

]Fail

Pass

]Fail

Pass

] Pass

minutes

RESULT



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

#### **REGION VIII**

#### 999 18th STREET - SUITE 500 DENVER, COLORADO 80202-2466

SUBJECT: GROUND WATER SECTION GUIDANCE NO. 39

Pressure testing injection wells for Part I (internal)

Mechanical Integrity

FROM: Tom Pike, Chief

UIC Direct Implementation Section

TO: All Section Staff

Montana Operations Office

#### Introduction |

The Underground Injection Control (UIC) regulations require that an injection well have mechanical integrity at all times (40 CFR 144.28 (f)(2) and 40 CFR 144.51 (q)(1)). A well has mechanical integrity (40 CFR 146.8) if:

- (1) There is no significant leak in the tubing, casing or packer; and
- (2) There is no significant fluid movement into an underground source of drinking water (USDW) through vertical channels adjacent to the injection wellbore.

Definition: Mechanical Integrity Pressure Test for Part I. A pressure test used to determine the integrity of all the downhole components of an injection well, usually tubing, casing and packer. It is also used to test tubing cemented in the hole by using a tubing plug or retrievable packer. Pressure tests must be run at least once every five years. If for any reason the tubing/packer is pulled, the injection well is required to pass another mechanical integrity test of the tubing casing and packer prior to recommencing injection regardless of when the last test was conducted. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on either the attached form or an equivalent form containing the necessary information. A pressure recording chart documenting the actual annulus test pressures must be attached to the form.

This guidance addresses making a determination of Part I of Mechanical Integrity (no leaks in the tubing, casing or packer). The Region's policy is: 1) to determine if there are significant leaks in the tubing, casing or packer; 2) to assure that the casing can withstand pressure similar to that which

would be applied if the tubing or packer fails; 3) to make the Region's test procedure consistent with the procedures utilized by other Region VIII Primacy programs; and 4) to provide a procedure which can be easily administered and is applicable to all class I and II wells. Although there are several methods allowed for determining mechanical integrity, the principal method involves running a pressure test of the tubing/casing annulus. Region VIII's procedure for running a pressure test is intended to aid UIC field inspectors who witness pressure tests for the purpose of demonstrating that a well has Part I of Mechanical Integrity. The guidance is also intended as a means of informing operators of the procedures required for conducting the test in the absence of an EPA inspector.

#### Pressure Test Description

#### Test Frequency

The mechanical integrity of an injection well must be maintained at all times. Mechanical integrity pressure tests are required at least every five (5) years. If for any reason the tubing/packer is pulled, however, the injection well is required to pass another mechanical integrity test prior to recommencing injection regardless of when the last test was conducted. The Regional UIC program must be notified of the workover and the proposed date of the pressure test. The well's test cycle would then start from the date of the new test if the well passes the test and documentation is adequate. Tests may be required on a more frequent basis depending on the nature of the injectate and the construction of the well (see Section guidance on MITs for wells with cemented tubing and regulations for Class I wells).

Region VIII's criteria for well testing frequency is as follows:

- 1. Class I hazardous waste injection wells; initially [40 CFR 146.68(d)(1)] and annually thereafter;
- 2. Class I non-hazardous waste injection wells; initially and every two (2) years thereafter, except for old permits (such as the disposal wells at carbon dioxide extraction plants which require a test at least every five years);
- 3. Class II wells with tubing, casing and packer; initially and at least every five (5) years thereafter;
- 4. Class II wells with tubing cemented in the hole; initially and every one (1) or two (2) years thereafter

depending on well specific conditions (See Region VIII UIC Section Guidance #36);

- 5. Class II wells which have been temporarily abandoned (TAd) must be pressure tested after being shut-in for two years; and
- 6. Class III uranium extraction wells; initially.

#### Test Pressure

To assure that the test pressure will detect significant leaks and that the casing is subjected to pressure similar to that which would be applied if the tubing or packer fails, the tubing/casing annulus should be tested at a pressure equal to the maximum allowed injection pressure or 1000 psiq whichever is less. The annular test pressure must, however, have a difference of at least 200 psiq either greater or less than the injection tubing pressure. Wells which inject at pressures of less than 300 psiq must test at a minimum pressure of 300 psiq, and the pressure difference between the annulus and the injection tubing must be at least 200 psi.

#### Test Criteria

- 1. The duration of the pressure test is 30 minutes.
- 2. Both the <u>annulus and tubing pressures should be</u> monitored and recorded every five (5) minutes.
- 3. If there is a pressure change of 10 percent or more from the initial test pressure during the 30 minute duration, the well has failed to demonstrate mechanical integrity and should be shut-in until it is repaired or plugged.
- 4. A pressure change of 10 percent or more is considered significant. If there is no significant pressure change in 30 minutes from the time that the pressure source is disconnected from the annulus, the test may be completed as passed.

#### Recordkeeping and Reporting

The test results must be recorded on the attached form. The annulus pressure should be recorded at five (5) minute intervals. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on the attached form or an equivalent form and a pressure recording

chart documenting the actual annulus test pressures must be attached to the submittal. The tubing pressure at the beginning and end of each test must be recorded. The volume of the annulus fluid bled back at the surface after the test should be measured and recorded on the form. This can be done by bleeding the annulus pressure off and discharging the associated fluid into a five gallon container. The volume information can be used to verify the approximate location of the packer.

#### Procedures for Pressure Test

- Scheduling the test should be done at least two (2) weeks in advance.
- Information on the well completion (location of the 2. packer, location of perforations, previous cement work on the casing, size of casing and tubing, etc.) and the results of the previous MIT test should be reviewed by the field inspector in advance of the test. UIC Guidance #35 should also be reviewed. Information relating to the previous MIT and any well workovers should be reviewed and taken into the field for verification purposes.
- All Class I wells and Class II SWD wells should be shut-in prior to the test. A 12 to 24-hour shut-in is preferable to assure that the temperature of the fluid in the wellbore is stable.
- Class II enhanced recovery wells may be operating 4. during the test, but it is recommended that the well be shut-in if possible.
- The operator should fill the casing/tubing annulus with 5. inhibited fluid at least 24 hours in advance, if possible. Filling the annulus should be undertaken through one valve with the second valve open to allow air to escape. After the operator has filled the annulus, a check should be made to assure that the annulus will remain full. If the annulus can not maintain a full column of fluid, the operator should notify the Director and begin a rework. The operator should measure and report the volume of fluid added to the annulus. If not already the case, the casing/tubing valves should be closed, at least, 24 hours prior to the pressure test.

Following steps are at the well:

Read tubing pressure and record on the form. If the 6.

well is shut-in, the reported information on the actual maximum operating pressure should be used to determine test pressures.

- 7. Read pressure on the casing/tubing annulus and record value on the form. If there is pressure on the annulus, it should be bled off prior to the test. If the pressure will not bleed-off, the guidance on well failures (Region VIII UIC Section Guidance #35) should be followed.
  - 8. Ask the operator for the date of the last workover and the volume of fluid added to the annulus prior to this test and record information on the form.
  - 9. Hook-up well to pressure source and apply pressure until test value is reached.
  - 10. Immediately disconnect pressure source and start test time (If there has been a significant drop in pressure during the process of disconnection, the test may have to be restarted). The pressure gages used to monitor injection tubing pressure and annulus pressure should have a pressure range which will allow the test pressure to be near the mid-range of the gage. Additionally, the gage must be of sufficient accuracy and scale to allow an accurate reading of a 10 percent change to be read. For instance, a test pressure of 600 psi should be monitored with a 0 to 1000 psi gage. The scale should be incremented in 20 psi increments.
- 11. Record tubing and annulus pressure values every five (5) minutes.
- 12. At the end of the test, record the final tubing pressure.
- 13. If the test fails, check the valves, bull plugs and casing head close up for possible leaks. The well should be retested.
- 14. If the second test indicates a well failure, the Region should be informed of the failure within 24 hours by the operator, and the well should be shut-in within 48 hours per Headquarters guidance #76. A follow-up letter should be prepared by the operator which outlines the cause of the MIT failure and proposes a potential course of action. This report should be submitted to EPA within five days.

- 15. Bleed off well into a bucket, if possible, to obtain a volume estimate. This should be compared to the calculated value obtained using the casing/tubing annulus volume and fluid compressibility values.
- 16. Return to office and prepare follow-up.

#### Alternative Test Option

While it is expected that the test procedure outlined above will be applicable to most wells, the potential does exist that unique circumstances may exist for a given well that precludes or makes unsafe the application of this test procedure. In the event that these exceptional or extraordinary conditions are encountered, the operator has the option to propose an alternative test or monitoring procedures. The request must be submitted by the operator in writing and must be approved in writing by the UIC-Implementation Section Chief or equivalent level of management.

Attachment

# **Mechanical Integrity Test** Casing or Annulus Pressure Mechanical Integrity Test U.S. Environmental Protection Agency Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW 999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: Test conducted by: Others present:		Date: /	
Well Name:		Type: ER SWD	Status: AC TA UC
Field:		E/W County:	State:
Operator:	<del></del>	D/ W County	
Last MIT: /	/ Maximum A	lowable Pressure:	PSIG
Initial test fo	duled test? [ ] Yes or permit? [ ] Yes Il rework? [ ] Yes aring test? [ ] Yes	[ ] No [ ] No [ ] No [ ] No If Yes, rate:	bpd
Pre-test casing/tubing annul	us pressure:	psig	
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		et e e e e e e e e e e e e e e e e e e
Initial Pressure	ps	ig psig	psig
End of test pressure			
CASING / TUBING	ANNULUS	PRESSURE	
0 minutes	ps	g psig	psig
5 minutes	ps		psig
10 minutes	ps	g psig	psig
15 minutes	ps	g psig	psig.
20 minutes	psi	g psig	psig
25 minutes	psi	g psig	psig
30 minutes	psi	g psig	psig
minutes	psi	g psig	psig
minutes	psi		nsig
RESULT	[ ] Pass [ ]Fail	[ ] Pass [ ]Fail	[ ] Pass [ ]Fail

(over)

[ ] No

Does the annulus pressure build back up after the test? [ ] Yes

## MECHANICAL INTEGRITY PRESSURE TEST

gnature of Witness:  FFICE USE ONLY - COMPLIANCE FOLLOWUP  Itan Date: / / o you agree with the reported test results? [ ] YES [ ] NO  If not, why? ossible violation identified? [ ] YES [ ] NO  If YES, what  If YES - followup initiated? [ ] YES [ ] NO - why not?							
gnature of Witness:  Date:							
gnature of Witness:  FFICE USE ONLY - COMPLIANCE FOLLOWUP  taff			[ ] YES				
gnature of Witness:  FFICE USE ONLY - COMPLIANCE FOLLOWUP  taff Date: / / o you agree with the reported test results? [ ] YES [ ] NO	If YES, what			4			
gnature of Witness:  FFICE USE ONLY - COMPLIANCE FOLLOWUP  taff		identified?	I 1 YES I	1 NO			
gnature of Witness:  FFICE USE ONLY - COMPLIANCE FOLLOWUP		h the reported	test results?	[ ] YES	[ ] NO		
gnature of Witness:	aff					Date:	- 1
gnature of Witness:							
	EFICE USE O	NLY - COMP	LIANCE FOL	LOWUP			
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	nature of Witn	ess:	· ·		•		
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Form 9

(8/90)

# DEF

SIMIEUPUIAH	
PARTMENT OF NATURAL RESOURCES	
DIVISION OF OIL, GAS AND MINING	6. Lease Designation and
	TT 01107 A

DIVISION OF OIL, GAS AND	6. Lease Designation and Serial Number	
		U-01197-A-ST  7. Indian Allottee or Tribe Name
SUNDRY NOTICES AND REPORT	N/A	
Do not use this form for proposals to drill new wells, deepen existing wells, or to	8. Unit or Communitization Agreement	
Use APPLICATION FOR PERMIT for such p	NATURAL BUTTES	
1. Type of Well		9. Well Name and Number
Oil Gas Well X Other (specify)	<u>SWD</u>	NBU 347 SWD
2. Name of Operator		10. API Well Number
WESTPORT OIL & GAS COMPANY, L.P.		43-047-33709
3. Address of Operator	4. Telephone Number	11. Field and Pool, or Wildcat
1368 SOUTH 1200 EAST, VERNAL, UT 84078  5. Location of Well	435-781-7044	NATURAL BUTTES
Footage : 1697' FSL, 411' FWL	County ·	UINTAH
QQ, Sec, T., R., M : NWSW, SECTION 11, T10S, R2:	•	
12. CHECK APPROPRIATE BOXES TO INDIC		
NOTICE OF INTENT		BSEQUENT REPORT
(Submit in Duplicate)	(Sul	omit Original Form Only)
Abandonment New Construction	Abandonment	* New Construction
Casing Repair Pull or Alter Casing	g Casing Repair	Pull or Alter Casing
Change of Plans Recompletion	Change of Plan	ns Shoot or Acidize
Conversion to Injection Shoot or Acidize	Conversion to	Injection Vent or Flare
Fracture Treat Vent or Flare	Fracture Treat	Water Shut-Off
Multiple Completion Water Shut-Off	Other	
X Other SALES POINT		
	Date of Work Completion	
Approximate Date Work Will Start	_	
		Completions and Recompletions to different reservoirs  OR RECOMPLETION AND LOG form.
		ed by a cement verification report.
13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state		ates. If well is directionally drilled, give subsurface
locations and measured and true vertical depths for all markers and zone. Westport would like to sale condensate at the NBU 347 SW	•	ithin the Unit and traces of
Condensate from other Westport leases shall be allocated to		
Disposal facilities. The current collection point is the NBU 1		_
would like to use both disposal facilites for Condensate colle	ection.	
All tanks will be scaled in asserdance with Onshere Order #	4 and the DIM will be notified	prior to calls
All tanks will be sealed in accordance with Onshore Order #	4 and the BLM will be notified	RECEIVED
It is our understanding that EOG wells within the NBU Unit	will continue to measure their	condensate on lease.
Truces entruined in water after 3 phuse seperar	tor	APR 0 4 2005
		DIV. OF OIL, GAS & MININ
		and the state of t
14. I hereby certify that the foregoing is true and correct.		
	1001.	02/20/05
Name & Signature Raleen Weddle	Jeth Regul	atory Analyst Date 03/30/05
(State Use Only)	Utah Division of	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Oil, Gas and Mining	
Leilers CHO Da	te: 4/12/05	Federal Approval Of This
(9/00) Y Coo Institution	Sp. 1.6.60 A +	Action Is Necessary

MININ

Form 9

# F OF UTAH

DEPAR	TMENT OF NATURAL RESOL	IRCES		
	ISION OF OIL, GAS AND MINI		6. Lease Des	ignation and Serial Number
		,,,		ML-22650
			7. Indian Allof	ttee or Tribe Name
SUNDRY NOT	ICES AND REPORTS O	N WELLS		N/A
	new wells, deepen existing wells, or to reenter		8. Unit or Cor	mmunitization Agreement
	LICATION FOR PERMIT for such proposals		1	TURAL BUTTES
1. Type of Well			9. Well Name	
Oil Gas	TE Office (see all a CHET		o. Well Harrie	and Hamber
Well Well	X Other (specify) <u>SWL</u>	<u>'</u>		CIGE 9
2. Name of Operator		•	10. API Well N	lumber
WESTPORT OIL & GAS COM	PANY, L.P.		4	13-047-30419
Address of Operator		4. Telephone Number 11. Field and Pool, or Wildcat		Pool, or Wildcat
1368 SOUTH 1200 EAST, VER	NAL, UT 84078	435-781-7044	NAT NAT	TURAL BUTTES
5. Location of Well				
	FSL, 1852' FEL	•	UINTAH	
QQ, Sec, T., R., M : NWSI	E, SECTION 36, T9S, R22E	State :	UTAH	
12. CHECK APPROP	PRIATE BOXES TO INDICATE	NATURE OF NOTICE	, REPORT, O	R OTHER DATA
NOTICE (	OF INTENT	SUE	BSEQUENT RE	PORT
(Submit in	n Duplicate)	(Sul	bmit Original Forn	n Only)
Abandonment	New Construction	Abandonment	*	New Construction
Casing Repair	Pull or Alter Casing	Casing Repair		Pull or Alter Casing
	<b>==</b>			
Change of Plans	Recompletion	Change of Plai		Shoot or Acidize
Conversion to Injection	Shoot or Acidize	Conversion to	Injection	Vent or Flare
Fracture Treat	Vent or Flare	Fracture Treat		Water Shut-Off
Multiple Completion	Water Shut-Off	Other		
X Other SALES POINT	<del></del>			
<u> </u>		Date of Work Completion		
Approximate Date Work Will Start		·	_	
··· <u> </u>		Report results of Multiple (	Completions and Re	completions to different reservoirs
		on WELL COMPLETION		
		* Must be accompani		
	LETED OPERATIONS (Clearly state all pert		lates. If well is direct	tionally drilled, give subsurface
	tical depths for all markers and zones pertine lensate at the CIGE 9 SWD. The O	•	nin the Unit and	traces of
=	leases shall be allocated to the Na			
	ollection point is the NBU 159 SV			
	nit Westport would like to use this			
r	<b>.</b>	1		
All tanks will be sealed in accord	dance with Onshore Order #4 and	the BLM will be notified	prior to sells.	RECEIVED
It is our understanding that EOG	wells within the NBU Unit will c	ontinue to measure their	condensate on l	ease. APR 0 8 2005
		1		
Traces entrained in unter after 3 phase seperator			DIV. OF OIL, GAS & MININ	
				DIA' OL OIE! ~
14 I haraby cartify that the fore sain	a in true and correct			
14. I hereby certify that the foregoing		. \ .		
Name & Signature Raleen Wee	ddle Kallen WW	Title Regul	latory Analyst	Date04/06/05
			7-11-0-	

OF UTAH DIVISION OF (State Use Only) OIL, GAS, AND MINING COPY SENT TO OPERATOR 2015

See Instructions on Beverse Side 

 See Instructions on Beverse Side 

 See Instructions on Beverse Side

Federal Approval Of This Action is Necessary

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

#### FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

6. If Indian, Allottee or Tribe Name

### 5. Lease Serial No.

U-0132568-A

#### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

N/A
7. If Unit or CA/Agreement, Name and/or No.

NATURAL BUTTES UNIT Type of Well 8. Well Name and No. Oil Well Gas Well X Other Name of Operator **NBU 47N2** 9. API Well No. WESTPORT OIL & GAS COMPANY, L.P. Phone No. (include area code) 43-047-30534 10. Field and Pool, or Exploratory Area 1368 SOUTH 1200 EAST, VERNAL, UT 84078 435-781-7044 Location of Well (Footage, Sec., T., R., M., or Survey Description) NATURAL BUTTES 11. County or Parish, State SESW, SECTION 30, T10S, R22E - 818' FSL, 854' FWL UINTAH COUNTY

12. CHECK APPROPRIATE BOX(ES	TO INDICATE NATURE OF NOTICE	, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent  Subsequent Report	Acidize Deepen Production (Start/Resume) Water S Alter Casing Fracture Treat Reclamation Well In Casing Repair New Construction Recomplete Other	Shut-Off ategrity
Final Abandonment Notice	Change Plans Plug and Abandon Temporarily Abandon SALES Convert to Injection Plug Back Water Disposal	POINT

Westport would like to sale condensate at the NBU 47N2 SWD. The Condensate collected within the Unit and traces of ( from other Westport leases shall be allocated to the Natural Buttes Unit, even though non-unit water is hauled to the Disk The current collection point is the NBU 159 SWD which will still continue to collect condensate.

Upon approval of the SWD permit Westport would like to use this disposal point as well as other facilities which were app WIS June 25, 2004 submission # 32310

All tanks will be sealed in accordance with Onshore Order #4 and the BLM will be notified prior to sells.

It is our understanding that EOG wells within the NBU Unit will continue to measure their condensate on lease.

Traces entrained in mater after	- 3 these separator
---------------------------------	---------------------

RECEIVED

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)
Raleen Weddle
Signature

Title
Associate Regulatory Analyst OF OIL, GAS & MINING
April 6, 2005

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Accepted by the

Utah Division of

Conditions of approval, if any, are attached. Approval of this notice does not warrant or
certify that the applicant holds legal or equitable title to those rights in the subject lease.

Office

Oil. Gas and Mining

certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Federal Approval Of This Action Is Necessary

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully the make the partner of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

CCP7 Savt 10 OPERATOR

Luie: 4-75-05

Initials: CHD

<sup>13.</sup> Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

TYPE OF SUBMISSION

(Instructions on reverse)

# UNION STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM AI	PROVE	D
OMB No.	1004-01	35
Expires Jnove	mber 30,	, 2000

	Lease	Serial	No.
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6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instru	7. If Unit or CA/Agreement, Name and/or No.	
SOBINIT IN TRIFLICATE - Other insur	NATURAL BUTTES UNIT	
1. Type of Well		
Oil Well Gas Well X Other		8. Well Name and No.
2. Name of Operator	CIGE 112D	
WESTPORT OIL & GAS COMPANY, L.P.		9. API Well No.
3a. Address	3b. Phone No. (include area code)	43-047-31945
1368 SOUTH 1200 EAST, VERNAL, UT 84078	10. Field and Pool, or Exploratory Area	
4. Location of Well (Footage, Sec., T., R., M., or Survey Descript	NATURAL BUTTES	
SESE, SECTION 19, T9S, R21E - 660' FSL, 660'	11. County or Parish, State	
		UINTAH COUNTY
12. CHECK APPROPRIATE BOX(ES) TO	INDICATE NATURE OF NOTICE,	REPORT, OR OTHER DATA

X Notice of Intent	Acidize	Deepen	Production (Start/Resume)	Water Shut-Off
Subsequent Report	Alter Casing Casing Repair	Fracture Treat  New Construction	Reclamation Recomplete	Well Integrity  Other
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Abandon Plug Back	Temporarily Abandon Water Disposal	SALES POINT
Describe Proposed or Completed Oper	<u> </u>			and approximate duration thereof.
If the proposal is to deepen directiona	lly or recomplete horizontally, a	give subsurface locations and	measured and true vertical depths	of all pertinent markers and zones.

TYPE OF ACTION

Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport would like to sale condensate at the NBU 112D SWD. The Condensate collected within the Unit and traces of ( from other Westport leases shall be allocated to the Natural Buttes Unit, even though non-unit water is hauled to the Disk The current collection point is the NBU 159 SWD which will still continue to collect condensate.

Upon approval of the SWD permit Westport would like to use this disposal point as well as other facilities which were app WIS June 25, 2004 submission # 32310

All tanks will be sealed in accordance with Onshore Order #4 and the BLM will be notified prior to sells.

It is our understanding that EOG wells within the NBU Unit will continue to measure their condensate on lease.

traces entrained inwater after 3 phase sep	RECEIVED		
		APR 0 8 2005	
14. I hereby certify that the foregoing is true and correct			
Name (Printed/Typed)	Title	DIV OF OIL GAS & MINING	
Raleen Weddle		Associate Regulatory Analyst , GAS & MINING	
Signature aleen Medall	Date	April 6, 2005	
THIS SPACE FOR FEDERAL OR STATE USE			
Approved by	Title	Accepted by the	
		Utah Division of Federal Approval Of This	
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease		Oil, Gas and Mining Action is Necessary	
which would entitle the applicant to conduct operations thereon.		16/12/05	
Title 18 U.S.C. Section 1001, make it a crime for any person knowing			
false, fictitious or fraudulent statements or representations as to any matt	er within its juri:	sdiction. ( ) . /   ( ) /   /	



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18<sup>TH</sup> STREET - SUITE 300
DENVER, CO 80202-2466
http://www.epa.gov/region08

**RECEIVED** 

APR 1 9 2005

Ref: 8P-W-GW

APR 1 5 2005

DIV. OF OIL, GAS & MINING

### CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Carroll Estes Principal Environmental Specialist Westport Oil & Gas Company, L.P. 1368 South 1200 East Vernal, UT 84078 Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

REF: UNDERGROUND INJECTION CONTROL (UIC)

Authority to Commence Injection Well Permit No. UT20975-06401

CIGE No. 9 SWD Uintah County, Utah

Dear Mr. Estes:

Westport Oil & Gas Company, L.P. (Westport) has satisfactorily fulfilled all the Environmental Protection Agency's (EPA) <u>Prior to Commencing Injection</u> requirements in the Well Permit UT20975-06401 (Effective February 10, 2005). All Prior to Injection Requirements, i.e., Part I (Internal) Mechanical Integrity Test, Well Rework Record (EPA Form No. 7520-12), a water analysis of the injection interval, and a pore pressure were reviewed and approved by the EPA on April 11, 2005.

Westport, as of the date of this letter, is authorized to commence injection into the CIGE No. 9 SWD. There will be no limitation on the number of barrels of water that will be injected into the Green River Formation interval 3972 feet to 4228. Until such time that the permittee demonstrates through a Step-Rate Injectivity Test that the fracture gradient is other than 0.780 psi/ft, the CIGE No. 9 SWD shall be operated at a maximum allowable injection pressure no greater than 1365 psig.

As of this approval, responsibility for Permit compliance and enforcement is transferred to the Region VIII UIC Technical Enforcement Program office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well:

Mr. Nathan Wiser
Technical Enforcement Program - UIC
U.S. EPA Region VIII: Mail Code 8ENF-UFO
999-18th Street - Suite 300
Denver, CO 80202-2466
Phone: 303-312-6211, or 1.800.227.8917 (Ext. 6211)

Please be reminded that it is your responsibility to be aware of and to comply with all conditions of Permit UT20975-06401. If you have any questions in regard to the above action, please contact Dan Jackson at 303-312-6155 in the Denver area, or 1.800.227.8917 (Ext. 6155).

Sincerely,

Sandra A. Stavnes

Director

Ground Water Program

ce: Maxine Natchees
Chairperson
Uintah & Ouray Business Committee
Ute Indian Tribe

Elaine Willie Environmental Coordinator Ute Indian Tribe

Chester Mills
Superintendent
Bureau of Indian Affairs
Uintah & Ouray Indian Agency

Mike Guinn Vice President - Operations Newfield Production Company Myton, UT 84052

Gil Hunt Technical Services Manager State of Utah - Natural Resources Kirk Fleetwood Sr. Petroleum Engineer Bureau of Land Management Vernal District

Nathan Wiser 8ENF-UFO

Form 9

### DEPARTMENT OF NATURAL DIVISION OF OIL, GAS A

Form 9		TATE OF UTAH				
		OF NATURAL RESOU F OIL, GAS AND MINII	<del>-</del>	1	6 Lagas Da	cionation and Carial Number
	DIVISION	F OIL, GAS AND WIINII	NG		6. Lease De	signation and Serial Number ML-22650
					7 Indian Alle	ottee or Tribe Name
SUNDI	RY NOTICES A	AND REPORTS ON	NWELL:	s	r. malan Aik	Sitee of Tribe Name
	oposals to drill new wells, d	leepen existing wells, or to reenter	plugged and al	- 1	8. Unit or Co	ommunitization Agreement
	Use APPLICATION F	OR PERMIT for such proposals			NATU	RAL BUTTES UNIT
1. Type of Well					9. Well Nam	e and Number
Oil Well	Gas Well	$X$ Other (specify) $\underline{\mathit{SWD}}$				CIGE 9
2. Name of Operator					10. API Well	Number
WESTPORT OIL & O	GAS COMPANY, I	л.Р				43-047-30419
<ol><li>Address of Operato</li></ol>	r		4. Teleph	one Number	11. Field and	Pool, or Wildcat
1368 SOUTH 1200 E	AST, VERNAL, U	ГАН 84078	435-7	781-7060	NA	TURAL BUTTES
5. Location of Well	20001777 107	N DET		_	**** TWO : **	
Footage	: 2090' FSL 1852			•	UINTAH	
	: NWSE SEC 36				UTAH	
12. CHECK		BOXES TO INDICATE	NATURE	··		
	NOTICE OF INTEN				SEQUENT Romit Original Fo	
Abandonment	(Gubilin in Duphout	New Construction	l —	Abandonment	_	New Construction
<b>=</b>	-				<del> -</del>	=
Casing Repair	<del></del>	Pull or Alter Casing		Casing Repair	<u> </u>	Pull or Alter Casing
Change of Plans		Recompletion		Change of Plan	_	Shoot or Acidize
Conversion to Inju	ection	Shoot or Acidize	X	Conversion to I	njection	Vent or Flare
Fracture Treat		Vent or Flare		Fracture Treat		Water Shut-Off
Multiple Completi	on	Water Shut-Off		Other		
Other						
			Date of Wo	rk Completion	3/14/05	
Approximate Date Work	Will Start					
				-	-	Recompletions to different reservoirs  ON AND LOG form.
			1			verification report.
13. DESCRIBE PROPOSE	ED OR COMPLETED OPE	ERATIONS (Clearly state all perti	_			
locations and measured	d and true vertical depths	for all markers and zones pertine	ent to this work.	)		•
		ERTING THE ABOVE				
WELL. SEE THE AT	TACHED CHRON	IOLOGICAL HISTORY	FOR DETA	AILS OF THE	CONVERSIO	ON.
		Accepte	d hy the	- 200 man		
		Utah Di	vision of	7.79		
		Oil, Gas a	ind Minii	ng	F	RECEIVED
		FOR REC				MAY 2 3 2005
				. + 1		FOIL, GAS & MINING
						. OLE, AND & MINNING

14. I hereby certify that the foregoing is true and correct.

DEBRA DOMENICI 05/16/05 Title Date Name & Signature

(State Use Only)

### THE COASTAL CORPORATION PRODUCTION REPORT

### CHRONOLOGICAL HISTORY

CIGE #9

Page 1

NATURAL BUTTES UNIT UINTAH COUNTY, UTAH

WI: 100% (CIG)

AFE: BLANKET

CSG: 4.5" 11.6# @7286' PERFS: 4898' - 7088'

PBTD: 7221' TC (M\$):

### WORKOVER/RECOMPLETION

02/24/05

PROG: 7AM (DAY 1) H.S.M. DRIVING ON MUDDY ROADS. ROAD RIG FROM BONANZA#1023-18G TO CIGE#9. FOUGHT MUDDY ROADS & LOCATION. MIRU, SPOT EQUIPMENT. SITP=150#, SICP=400#. BLEW WELL DN. NDWH, NUBOP. R/U FLOOR & TBG EQUIPMENT 4:30 PM SWI-SDFN

02/25/05

PROG: 7:00AM (DAY 2) HELD SAFETY MEETING. LD TBG. SITP: 0#, SICP: 500#. BLEW WL DN. FOUND LANDING PINS FOR HANGER ON TBG HEAD SEIZED. CALL CAMERON FOR HELP WITH PINS. WAIT ON CAMERON, WHILE TRYING TO WORK PINS FREE. CAMERON RELACED PINS, PACKING & PACKING NUTS ON TBG HEAD. KILL WL W/20 BBLS 2% KCL. ATTEMPT TO UNLAND TBG, PULLING 65K. (HANGER STUCK) DUMP DEISEL AROUND HANGER & PULL 50K ON HANGER. CALL FOR SURFACE JARS FOR IN AM. 4:00 PM SWI-SDFN.

02/28/05

PROG: 9:00 AM OPEN WL. 450# ON CSG, 0# ON TBG. PU JAR, UNABLE TO GET JAR TO WORK. CALL OUT FOR NEW JAR & INT. JAR ON HANGER 6 TIMES. GOT HANGER LOOSE. BOTTOM PART OF HANGER STILL IN WLHEAD. LD SURFACE JAR. (PLUNGER STUCK IN TOP JT OF TBG). POOH LD 2-3/8" TBG. LD 2000 FT TBG. SWI 5:00 PM

03/01/05

PROG: 7:00 AM (DAY 4) HELD SAFETY MEETING. PU TBG. SITP: 450#, SICP: 450#. BLEW WL DN. PMPD 40 BBLS 2% KCL TO KILL WL. EOT @ 5063'. CONTINUE POOH. LD 2-3/8" J-55 TBG. TBG SHOWED LIGHT TO MEDIUM SCALE ON OD HEAVY SCALE ON BOTTOM 1000'+. RETREIVE BROKEN PLUNGER & BUMPER SPRING. LD BHA. PMPD 150 BBLS 2% KCL OFF & ON WHILE POOH (SENT 225 JTS TBG TO PRS FOR INSPECTION) NU STRIPPING HEAD. PU 3-7/8" MILL, 1 JT, SN & RIH ON NEW 2-3/8" J-55 TBG. (SLM) TBG WAS DRIFTED. EOT @ 3270'. DRAIN PMP & LINES. LTR: 200 BBLS. 5:30 PM SWI-SDFN.

03/02/05

PROG: 7:00 AM (DAY 5) HELD SAFETY MEETING. AIR FOAM UNITS. EOT @ 3270'. SITP: 450#, SICP: 450#. BLEW WL DN. KILL WL W/20 BBLS 2% KCL. CONTINUE PU & RIH ON NEW 2-3/8" J-55 TBG. (SLM) TBG WAS DRIFTED. TAG FILL @ 7165'. (BTM PERF @ 7088') DID NOT SEE OR FEEL ANY TIGHT SPOTS WHILE RIH W/MILL. POOH & LD 70 JTS ON FLOAT. CONTINUE POOH STANDING BACK TBG. LD MILL. MIRU CUTTERS. RIH & SET CICR @ 4880'. POOH LD TOOLS. MIRU DBL JACK TESTERS. PT 4-1/2" CSG & BOP TO 500# & 5000#. (15 MIN TEST, HELD GOOD) RDMO DOUBLE JACK. RU CUTTERS & RUN A CBL-CCL-GR LOG FROM 4879' TO 200' W/1000# HELD ON CSG WHILE LOGGING.

ESTIMATE CMT TOP @ 540'. MAX TEMP: 160\* RDMO CUTTERS 6:30 PM, SWI-SDFN. PREP TO CMT SQUEEZE IN AM.

03/03/05

PROG: 7:00 AM (DAY 6) HELD SAFETY MEETING. CEMENTING. SICP: 0#. PU STINGER & RIH ON 2-3/8" J-55 TBG. STING INTO CICR @ 4880'. MIRU SJ HELD SAFETY MEETING. PT SURFACE LINES TO 3200#. HOLD 500# ON CSG. PMPD 38 BBLS FRESH WATER @ 230# @ 3.9 BPM. (CAUGHT PSI @ 34 BBLS) MIX & PMP 200 SX CLASS "G" NEAT CMT, 1.16 YEILD, 15.8#@ 400#@ 3.9 BPM. WAIT 15 MIN. STEP SQUEEZE TO 1122#. STING OUT OF CICR & LEAVE 2 SX CMT ON TOP OF CICR. REVERSE CIRC TBG CLEAN W/30 BBLS. RDMO SJ POOH. STANDING BACK TBG. LD STINGER. RD FLOOR & TBG EQUIPMENT. NDBOP & RETREIVE BROKEN HANGER PARTS. NUBOP, RU FLOOR & TBG EQUIPMENT. 3:00 PM SWI-SDFN PREP TO RIH W/PKR & PERF IN AM.

03/04/05

PROG: 7:00 AM (DAY 7) HELD SAFETY MEETING. PERFG SICP: 0#. PU 4-1/2" HD PKR, 1 JT, SN & RIH ON 2-3/8" J-55 TBG. SET PKR @ 4100'. RU SWAB EQUIPMENT. SWAB ON WL. IFL @ SURFACE. MADE 3 RUNS, RCVR'D 14 BBLS. FFL @ 3600'. RD SWAB EQUIPMENT. MIRU CUTTERS. RIH & PERF @ 4150'-4165' & 4208'-4218' USING 1-11/16" EXP GUNS, 9GM, 0.24, 60\* PHASING, 4 SPF, (100 HLS) POOH LD TOOLS. WHP: 0#. MIRU NALCO. PMP 2 BBLS 15% HCL & CHASE W/12 BBLS 2% KCL. PERFS BROKE @ 1600# @ 1/2 BPM WHEN STARTED FLUSHING. RDMO NALCO. RU SWAB EQUIPMENT. SWAB ON WL. IFL @ SURFACE. MADE 4 RUNS, RCVRD 25 BBLS. FFL @ SN NALCO REP TOOK SAMPLE OF FORMATION FLUID. 1ST SAMPLE SHOWED 28,000 TDS & 2ND SAMPLE SHOWED 40,000 TDS. RD SWAB EQUIPMENT RELEASE PKR. POOH STANDING BACK TBG. LD BHA. 5:00 PM SWI-SDFN PREP TO FRAC W/BJ ON MONDAY, 3/7/05.

03/07/05

PROG: RIG ON STAND BY, PREP TO FRAC W/BJ ON MONDAY

03/08/05

PROG: 7:00 HELD SAFETY MEETING (FRACING & PERFG) MIRU BJ & CUTTERS TO PERF & FRAC

STAGE 1: SICP: 0#, PU & RIH W/3-3/8" EXP GUNS, 23 GRM, .35 HOLES 90 DEG PHASING PERF 4,208 - 4,218', & 4,150' - 4,165, 100 HOLES. HOLD SM W/BJ PRESS TEST SURFACE LINES TO 6,720# WHP: 0# SPEAR HEAD 250 GALLONS OF 15% HCL ACID BRK 2,563# @ 2.8 BPM, ISIP: 1,118#, FG: .70, PMP 55 BBLS 2% KCL @ 3,200# 48.5 BPM CAL. 100 HOLES OPEN PMP 600 BBLS PRESS INCREASING. GEL TO HEAVY SHUT DOWN FLUSH WL W/100 BBLS, ISIP: 2,238#, FLD 697 BBLS, SD 34,790# WAIT ON BJ TO FIX EQUIPMENT 10:00 TO 12:30 RESTART STG 1 FRAC PMP 2,143 BBLS LGHT 22# GEL, W/285,000# 20/40 SD ISIP: 3,270#, FG: 1.21, NPI: 2,152#, MP: 3,864#, MR: 48.6 BPM, AP: 3,727#, AR: 43.4 BPM.

STAGE 2: RIH W/3-3/8" EXP GUN 23 GRM .35 HOLE 90 DEG PHASING & SET BAKER 5 K CBP @ 4,090' & PERF 4,062 - 4,072 W/4 SPF POOH W/WIRE LINE RIH W/WIRE LINE & PERF 3,974' - 3,984' 4 SPF (80 HOLES) WHP: 1,380# BRK 2265 @ 3 BPM, INJ 2,200# @ 30 BPM = 78 HOLES OPEN ISIP: 1,442#, FG: .79, PMP 781 BBLS LGHT 22, W/156,283 # 20/40 SD, ISIP: 1,900#, FG: .91, NPI: 458#, MP: 2,305, MR: 31.4 BPM, AP: 2,213#, AR: 31.2, RDMO BJ SWI, SDFN 5:00 PM WILL FLW WL IN MORNING. TL FLD: 2,924 BBLS, TL SD: 441,283#.

03/09/05

PROG: 7:00 HELD SAFETY MEETING, SICP: 1,175#, START FLWG WL TO FLAT TANK ON 20/64 CHK, 7:30, 1,100#, 8:00, 975#, 9:00 800#, 10:00, 700#, 11:00 600# & 235 BBLS RECOVERD SWI. MIRU CUTTERS RIH & SET BAKER 5 K CBP @ 3,950', RDMO CUTTERS, PU 3-7/8" BIT & SUB RIH TO KILL PLG @ 3,950' RU PWR SWVL & RIG PMP BRK CICR &

START DRLG. DRL CBP IN 10 MIN W/500# INCR. A STRING FLOAT WAS NOT RUN COULD NOT KILL TBG TO MAKE CONECTION. TURN WL OVER TO FLW TESTERS @ 3:00 FLWG UP ANNULUS 50# FULL CHK, WEATHFORD WILL DELIVER A STRING FLOAT 7:00 AM, SDFN 3:30.

03/10/05

PROG: 7:00 AM (DAY 11) HELD SAFETY MEETING. WHP: 10#, WL FLWD 582 BBLS FROM 3:00 PM TO 7:00 AM, 917 BBLS RECOVERD. STAB STRING FLOAT CONT. RIH TAG SD @ 4,075' DRL CBP @ 4,090' IN 10 MIN 100# INCREASE RIH TAG FILL @ 4,500' CIRC DN TO 4,503', CIRC HOLE CLEAN POOH LD 17 JTS 2-3/8" TBG TO FLOAT VALVE @ 3,950' SD FLW WL TO FLAT TNK WL DIED AFTER 45 MIN LD 16 JTS 2-3/8" TBG POOH STND BACK 60 STSNDS TBG. PU & RIH W/PROFILE NIPPLE W/NOTCH COLLAR, 6' TBG SUB, RETRIEVABLE PACKER, ON/OFF TOOL, 120 JTS OF 2-3/8" J-55 NEW TBG CIRC PACKER FLUID DN ANNULUS PMP 50 BBLS SET PACKER @ 3,922.46' & EOT @ 3,936.31' PRESS TEST PACKER & HANGER TO 1,100# W/RIG PMP HELD GOOD TEST BLEED OFF PRESS ND BOP NU WH RDMO RIG, 5:00 PM.

03/14/05

PROG: 9:00 MIRU DOUBLE JACK TESTING TO DO A MIT TEST ON THE ANNULUS, HELD SAFETY MEETING, SITP: 355#, SI ANNULUS PSI: 0, PMP 1/2 BBLS TO PRESS UP TO 1,000# @ 9:25 AM

- 5 MINUTE TEST 1.000 PSI
- 10 MINUTE TEST 1,000 PSI
- 15 MINUTE TEST 1,000 PSI
- 20 MINUTE TEST 1,000 PSI
- 25 MINUTE TEST 1,000 PSI
- 30 MINUTE TEST 1,000 PSI.
- 45 MINUTE TEST 1,000 PSI
- 60 MINUTE TEST 1,000 PSI

GOOD TEST PRESS HELD ON 1,000#, TBG PRESS HELD ON 355# DURING THE 1 HOUR TEST. BLED OFF PRESS RETURNED 1/2 BBL.

### STATE OF UTAH

### DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

	6. Lease Designati	on and Serial Number
	ML	-22650
	7. Indian Allottee o	r Tribe Name
s.	8. Unit or Commun	_
	NATURA	AL BUTTES
	9. Well Name and	Number
	Cl	GE 9
	10. API Well Number	er 17-30419
er	11. Field and Pool,	
-1	1	AL BUTTES
:	: UINTAH : UTAH	
ICE	E, REPORT, OR O	THER DATA
	BSEQUENT REPOR	
ent	* N	ew Construction
pair	r	ull or Alter Casing
Plai	ans $X$ S	hoot or Acidize
n to	Injection V	ent or Flare
reat	t v	/ater Shut-Off
on	8/11/05	
ON (	Completions and Recomp OR RECOMPLETION AN ied by a cement verific	
ent d	dates. If well is directional	y drilled, give subsurface
OSA	AL WATER.	

SUNDRY NOTICES AND REPORTS OF	N WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter	· ==
Use APPLICATION FOR PERMIT for such proposals	NATURAL BUTTES
1. Type of Well	9. Well Name and Number
Oil Well Other (specify)	CIGE 9
2. Name of Operator	10. API Well Number
WESTPORT OIL & GAS COMPANY, L.P.	43-047-30419
3. Address of Operator	4. Telephone Number 11. Field and Pool, or Wildcat
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078	(435)781-7060 NATURAL BUTTES
5. Location of Well	
Footage : 2090' FSL 1852' FEL	County: UINTAH
QQ, Sec, T., R., M : NWSE SEC 36-T9S-R22E	State : UTAH
12. CHECK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT, OR OTHER DATA
NOTICE OF INTENT	SUBSEQUENT REPORT
(Submit in Duplicate)	(Submit Original Form Only)
Abandonment New Construction	Abandonment * New Construction
Casing Repair Pull or Alter Casing	Casing Repair Pull or Alter Casing
Change of Plans Recompletion	Change of Plans  X Shoot or Acidize
Conversion to Injection Shoot or Acidize	Conversion to Injection Vent or Flare
Fracture Treat Vent or Flare	Fracture Treat Water Shut-Off
Multiple Completion Water Shut-Off	Other
Other	
	Date of Work Completion 8/11/05
Approximate Date Work Will Start	
	Report results of Multiple Completions and Recompletions to different reservoirs
	on WELL COMPLETION OR RECOMPLETION AND LOG form.  * Must be accompanied by a cement verification report.
12 DESCRIPE PROPOSED OF COMPLETED OPERATIONS (Classifications)	iviust be accompanied by a cement ventication report.
TO DESCRIBE EROPOSED OR COMPLETED OPERATIONS (CIRRIN STATE ALIDED	tinent details, and also mentioned dates. If well is directionally delibed after suffering
locations and measured and true vertical depths for all markers and zones pertine	tinent details, and give pertinent dates. If well is directionally drilled, give subsurface ent to this work.)

14. I hereby certify t	hat the foregoing is true and correct.				
Name & Signature	DEBRA DOMENICI Delia Dimenici	Title _	ASSOC. ENVIRO. ANALYST	Date	08/16/05

(State Use Only)

**RECEIVED** 

AUG 1 9 2005

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22650
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole dapth, reen drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or ČA AGREEMENT NAME: UNIT #891008900A
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: CIGE 9
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP	9. API NUMBER: 4304730419
3. ADDRESS OF OPERATOR: PHON	E NUMBER: 10. FIELD AND POOL, OR WILDCAT: 5) 781-7024 NATURAL BUTTES
1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078 (43	5) 781-7024   NATURAL BUTTES
FOOTAGES AT SURFACE: 2090'FSL, 1852'FEL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 36 9S 22E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF N	NOTICE, REPORT, OR OTHER DATA
	OF ACTION
✓ NOTICE OF INTENT ☐ ACIDIZE ☐ DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCT	
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	
CHANGE TUBING PLUG AND ABAND  SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	ON VENT OR FLARE  WATER DISPOSAL
(Submit Original Form Only)  CHANGE WELL STATUS  PRODUCTION (STA	
Date of work completion:  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF	
	FFERENT FORMATION
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including	dates depths, volumes etc.
THE OPERATOR REQUESTS AUTHORIZATION TO PLUG AND ABANDO SUBJECT WELL LOCATION IS CURRENTLY SHUT IN BECAUSE OF HIG	N THE SUBJECT WELL LOCATION. THE
PLEASE REFER TO THE ATTACHED PLUG AND ABANDON PROCEDUR	RE.
	COPY SENT TO OPERATOR Dote: Initials: 17-19-09
NAME (PLÉASE PRINT) SHEILA UPCHEGO	ENIOR LAND ADMIN SPECIALIST
SIGNATURE _	0/2/2007
This space for State us APP PROVED BY THE STATE	
C'ACUTAL DIVISION OF	RECEIVED
OIL, GAS, AND MINING	NEOLIVED
DATECHIAGIAT	NOV 1 5 2007
	Approval is regid-DIV. OF OIL, GAS & MINING

CIGE 9 2090' FSL & 1852' FEL NWSE - Section 36 – T9S – R22E Uintah County, UT

KBE:

4964'

API NUMBER:

43-047-30419

GLE: TD: 4952' 7303' LEASE NUMBER: WI:

ML-22650

7303

.

100%

PBTD:

4830'

NRI:

76.998%

CASING:

12.25" hole

9.625", 36#, K-55 @ 213'

Cemented with 90 sx Class G, cement returns to surface

8.75" hole 0-3504', 7.875" hole 3504-7303'

4.5" 11.6# N-80 @ 7286'

Cemented with 1115 sx 50-50 Pozmix and 1248 sx 10% RFC. No detail on

which blend was the lead or tail slurry. TOC @ 542' by CBL.

\*CICR @ 4880', w/ 2 sx "G" cmt on top

TUBING:

2.375", 4.7#, J-55 @ 3936.31', Pkr @ 3922.46'

Tubular	Drift	Collapse	Burst	Capacitie	s		
	inches	psi	Psi	Gal./ft.	Cuft/ft.	Bbl./ft.	
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02173	0.00387	
4.5" 11.6# N -80 csg	3.875	6350	7780	0.6528	0.0872	0.01554	
9.625", 36#, K-55	8.765	2020	3520	3.2470	0.4340	0.0773	
Annular Capacities						·	
2.375" tbg. X 4.5" 11.6# csg. 0.4226 0.0565 0							
4.5" csg. X 9.625" 36# cs	2.2159	0.3236	0.0576				
4.5" csg. X 7.875" hole			1.7052	0.2278	0.0406		
4.5" csg. X 8.75" hole				2.2974	0.3071	0.0547	

### WELL HISTORY:

### Initial Completion - September 1978

- TD'd on 5 July 1978, first sales in November 1978.
- Perforated the gross interval 6535' through 7088', broke down with 6000 gal. nitrified 2% KCl. Perforated the gross interval 4898' through 6060', then acidized the entire perforated interval 4898' through 7088' with 5000 gal. 7.5% MSR. Fractured same with 135000 gal gel containing 300000# 20/40 mesh sand.
- IP'd 678 MCFD, 0 BWPD, 600 psi FTP, 8/64th choke on 1 November 1978.

### Workover #1 - January 1995

- Cleaned out to 7132'.
- Acidized with 1000 gal, 15% HCl.
- Returned to production.

### Workover #2 - January 2000

- Changed out plunger lift equipment.
- Acidized with 1000 gal 15% HCl.
- Returned to production.

### Recompletion/Sqeeze - March 2005

- Set CICR @ 4880', sqz perfs below w/ 200 sx "G"
- Perf 4150'-65', 4208'-18' 4 spf
- Frac w/ 2924 bbls 22# gel fluid and 441,283# 20/40 sand.
- Land tbg @ 3936.31', set pkr @ 3922.46'

### **EXISTING PERFORATION DETAIL:**

Formation	Date	Top	Bottom	SPF	Remarks
				<b>1</b>	
Wasatch	3/4/2005	4150	4165	4	
Wasatch	3/4/2005	4208	4218	4	
Wasatch	9/8/1978	4898		1	Squeezed 3/3/05
Wasatch	9/8/1978	4916		1	Squeezed 3/3/05
Wasatch	9/8/1978	6060		1	Squeezed 3/3/05
Mesa Verde	9/8/1978	6535		1	Squeezed 3/3/05
Mesa Verde	9/8/1978	6569		1	Squeezed 3/3/05
Mesa Verde	9/8/1978	6770		1	Squeezed 3/3/05
Mesa Verde	9/8/1978	6886		1	Squeezed 3/3/05
Mesa Verde	9/8/1978	7088		1	Squeezed 3/3/05

### **GEOLOGIC INFORMATION:**

Formation	Depth to top, ft.
Uinta	Surface
Green River	1173'
Wasatch	4228'
Mesa Verde	6396'

### Tech. Pub. #92 Base of USDW's

USDW Elevation	~1800' MSL
USDW Depth	~3164' KBE

#### **CIGE 9 P&A PROCEDURE**

#### **GENERAL**

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- BRINE WITH A MINIMUM DENSITY OF AT LEAST 10 PPG MUST BE PLACED BETWEEN ALL PLUGS. 10 PPG IS ASSUMED IN THIS PROCEDURE.
- NOTIFY THE EPA IN WRITING 45 DAYS PRIOR TO PLUG & ABANDONMENT OPERATIONS.

#### P&A PROCEDURE PER APPENDIX "E" OF EPA PERMIT

- 1. MIRU. KILL WELL AS NEEDED. NO WH, NU AND TEST BOPE.
- 2. RELEASE PACKER (SET @ ~3922'). TOH WITH TUBING & PACKER ASSEMBLY. RU WIRELINE AND MAKE A GAUGE RING RUN TO ~4830'.
- 3. PLUG #1, PERFORATIONS (TOP PERF @ 4898'), MESAVERDE TOP (~6396'): THESE PERFS WERE PREVIOUSLY SQUEEZED PER EPA REQUIREMENTS ON 3/3/05.
- 4. PLUG #2, WASATCH TOP (~4228'): RIH, SET CIBP @ ~4278'. SPOT 50' (~5.5 SX, 6.19 CUFT.) CMT ON TOP OF PLUG.
- 5. PLUG #3, INJECTION ZONE PERFORATIONS: RIH, SET CICR @ ~3960. SQUEEZE PERFORATIONS F/ 4226' (BTM PERF) TO CICR (~266') USING A MINIMUM OF 26 SX (~30.2 CUFT.) CMT. STING OUT OF CICR & SPOT 2 SX CMT ON TOP OF CICR.
- 6. PLUG #4, BASE OF USDW (~3164'): RIH, SET CIBP @ ~3214'. SPOT 100' (~10 SX, 11.51CUFT.) CMT ON TOP OF PLUG.
- 7. PLUG #5, GREEN RIVER TOP (~1173'): RIH, SET CIBP @ ~1223. SPOT 100' (8.5 SX, 9.77 CUFT.) ON TOP OF PLUG.
- 8. PLUG #6, BTM OF SURF CSG (~213'): RIH & PERFORATE W/ 1 SPF @ 300'. CIRCULATE 9 5/8" CSG F/ 300' TO SURF W/ MIN 107 SX (~124 CUFT) CLASS G CEMENT.
- 9. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM/EPA GUIDELINES.
- 10. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

ALM - 7/16/07



### State of Utah

### Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

> GARY R. HERBERT Lieutenant Governor

# CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number: CIGE 9

API Number: 43-047-30419

Operator: Kerr McGee Oil & Gas Onshore, L.P.

Reference Document: Original Sundry Notice dated October 2, 2007,

received by DOGM on November 15, 2007.

### **Approval Conditions:**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
- 2. Surface reclamation shall be done in accordance with R649-3-34 Well Site Restoration.
- 3. All annuli shall be cemented from a minimum depth of 100' to the surface.
- 4. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
- 5. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
- 6. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet Petroleum Engineer November 16, 2007

Date

					gram				
API	Well No: 43-047-304	419-00-00 <b>Per</b>	mit No:	·	Well Nam	e/No: CIGE	E 9		
	pany Name: KERR			E, LP		•			
	tion: Sec: 36 T: 9S			String Inf	ormation				
	rdinates: X: 637874	_		~	Bottom	Diameter	Weight	Length	Capacit (f/(f)
	l Name: NATURAL			String	(ft sub)	(inches)	(lb/ft)	(ft)	(MG)
				HOLI	213	12.25			
Coul	nty Name: UINTAH	1		SURF	213	9.625	36		2-300
				HOL2	3504	8.75			
				HOL2	7303	7.875			
	Cement from 2	13 ft. to surface		PROD	7286	4.5	11.6		11.45
₹ <b>N</b>	Hole: 12.25 in.			a 5/00	X 460				2533
XI [X	Surface: 9.625 in	_		7 13	4/2"(2	(8)			2.0372
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3' - 5	$\sqrt{1}$			Cement In					70
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			V	> String	(ft sub)	(ft sub)	Class	Sacks	
				, PROD	7286	542	PC	1115	
	7(24)	#41St-0#6	5)	PROD	7286	542	TR	1248	
	- 1	(	12.1	SURF	213	0	G	90	
.	)(400)	(1,5)(11,459)=	(31						
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\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	C180e 3214'		VOVE						
	Hole: 8 75 in @	3504 ft							
	Hole: 8.75 in. @	3504 ft		Perforatio	n Informat	ion			
	Hole: 8.75 in. @	3504 ft. P(ئے≠13(3	steptis)	Perforation Top	n Informat Bottom	ion Shts:	Tt No.Sh	ots - Dt Sau	<b>8878</b>
	Hole: 8.75 in. @	3504 ft. P(ئے≠13(3	steptis)	Perforatio	n Informat  Bottom (ft sub)	ion Shts/	'Ft No Sh	nts Dt Squ	eeze
	Hole: 8.75 in. @	3504 ft. P(ئے≠13(3	steptis)	Perforation Top (ft sub) 6535 4898	n Informat Bottom (ft sub) 7088 6060	ion Shts/	Ft No Sh	ats Dt Squ	eeze
	Hole: 8.75 in. @	3504 ft. P(ئے≠13(3	steptis)	Perforation Top (ft sub) 6535 4898 4150	n Informat  Bottom (ft sub)  7088  6060  4218	ion Shts/	Ft No Sh	ats Dt Squ	eeze
	Hole: 8.75 in. @	3504 ft. P(ئے≠13(3	steptis)	Perforation Top (ft sub) 6 6535 4898 4150	n Informat  Bottom (ft sub) 7088 6060 4218	ion Shts/	TFt No Sh	ats Dt Squ	eeze
	Hole: 8.75 in. @	3504 ft. P(ئے≠13(3	steptis)	Perforation Top (ft sub) 6535 4898 4150	n Informat Bottom (ft sub) 7088 6060 4218	ion Shts/	Ft No Sh	nts Dt Squ	eeze
	Hole: 8.75 in. @	3504 ft. P(ئے≠13(3	steptis)	Perforation Top (ft sub) 6535 4898 4150	n Informat Bottom (ft sub) 7088 6060 4218	ion Shts/	Ft No Sh	ats Dt Squ	eeze
3	Hole: 8.75 in. @    CICKE 3960     -4150     -4218     -4218	3504 ft.  Plug #13(1)  BOX  Plug #12(  5,574 ( 1.15)	Stept 5) (11.459)=347	4898 4150 ) 72 <del>\$\$</del> 4 205 \( \)	n Informat Bottom (ft sub) 7088 6060 4218	ion Shts/	TFt No Sh	ats Dt Squ	eeze
	Hole: 8.75 in. @    CICKE 3960     -4150     -4218     -4218	3504 ft.  Plug #13(1)  BOX  Plug #12(  5,574 ( 1.15)	Stept 5) (11.459)=347	4898 4150 ) 72 <del>\$\$</del> 4 205 \( \)	n Informat Bottom (ft sub) 7088 6060 4218		Ft No Sh	ats Dt Squ	eeze
	Hole: 8.75 in. @    CICKE 3960     -4150     -4218     -4218	3504 ft.  Plug #13(1)  BOX  Plug #12(  5,574 ( 1.15)	Stept 5) (11.459)=347	4898 4150 ) 72 <del>\$\$</del> 4 205 \( \)	n Information (ft sub) 7088 6060 4218		'Ft No Sh	ats Dt Squ	eeze
	Hole: 8.75 in. @    CICKE 3960     -4150     -4218     -4218	3504 ft.  Plug #13(1)  BOX  Plug #12(  5,574 ( 1.15)	Stept 5) (11.459)=347	4898 4150 ) 72 <del>\$\$</del> 4 205 \( \)	6060 4218 a Information Depth		TFt No Sh	ats Dt Squ	eeze
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	Hole: 8.75 in. @    CICKE 3960     -4150     -4218     -4218	3504 ft.  Plug #13(1)  Plug #12(  (5,5 xx x x x x x x x x x x x x x x x x x	Stept 5) (11.459)=347  (11.459)=4205  (11.459)=  (11.459)=  (11.459)=  (11.459)=269	4898 4150  72 Formation Formatic GRRV WSTC	6060 4218 a Information Depth 1173 4228	<b>o</b> n	Ft No Sh	ats Dt Squ	eeze
	Hole: 8.75 in. @  LURE 39 60  -4150  Ala  -4218  CURE 39 60  Ala  -4150  Ala  -4218  CURE 39 60  Ala  -4150  Ala  Ala  Ala  Ala  Ala  Ala  Ala  Al	3504 ft.  Plug # 3(1)  Plug # 2(1.15)  Plug # 2(  \$.574 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Stept 5) (11.459)=347  (11.459)=4205  (11.459)=  (11.459)=  (11.459)=  (11.459)=269	4898 4150  72 Formation Formatic GRRV WSTC	6060 4218 a Information Depth 1173 4228	<b>o</b> n	Tet No Sh	ats Dt Squ	eeze
8 LH	Hole: 8.75 in. @  CUCRE 3960  4150  4218  Above (2)  Cement from 7286	3504 ft.  Plug #3(1)  Plug # 2(15)  Plug # 2(  (5,5 xx (1.15)  Plug   (exis)  (2005x)(1.16)(11.16)  ft. to 542 ft.	Stept 5) (11.459)=347	4898 4150  72 Formation Formatic GRRV WSTC	6060 4218 a Information Depth 1173 4228	<b>o</b> n	Tt No Sh	ats Dt Squ	eeze
8 CH	Hole: 8.75 in. @  CUCRE 3960  4150  4218  Above (2)  Cement from 7286	3504 ft.  Plug #3(1)  Plug # 2(15)  Plug # 2(  (5,5 xx (1.15)  Plug   (exis)  (2005x)(1.16)(11.16)  ft. to 542 ft.	Stept 5) (11.459)=347  (11.459)=4205  (11.459)=  (11.459)=  (11.459)=  (11.459)=269	4898 4150  72 Formation Formatic GRRV WSTC	6060 4218 a Information Depth 1173 4228	<b>o</b> n	Tt No Sh	ats Dt Squ	eeze
28 1	Hole: 8.75 in. @  LURE 39 60  -4150  Ala  -4218  CURE 39 60  Ala  -4150  Ala  -4218  CURE 39 60  Ala  -4150  Ala  Ala  Ala  Ala  Ala  Ala  Ala  Al	3504 ft.  Plug #3(1)  Plug # 2(15)  Plug # 2(  (5,5 xx (1.15)  Plug   (exis)  (2005x)(1.16)(11.16)  ft. to 542 ft.	Stept 5) (11.459)=347  (11.459)=4205  (11.459)=  (11.459)=  (11.459)=  (11.459)=269	4898 4150  72 Formation Formatic GRRV WSTC	6060 4218 a Information Depth 1173 4228	<b>o</b> n	TFt No Sh	ats Dt Squ	eeze
28	Hole: 8.75 in. @  CULLE 39 60  4150  Ala  4218  CICRE 39 60  Ala  4218  CICRE 39 60  Ala  CICRE 39 60	3504 ft.  Plug #3(1)  Plug # 2(  \$ 25x = 26  Plug # 2(  \$ 5.5x \ 1.15)  Plug # (exis)  25x \ (1.16)(11.6)  ft. to 542 ft.  @ 7286 ft.	Stept 5) (11.459)=347  (11.459)=4205  (11.459)=  (11.459)=  (11.459)=  (11.459)=269	4898 4150  72 Formation Formatic GRRV WSTC	6060 4218 a Information Depth 1173 4228	<b>o</b> n	Tt No Sh	ats Dt Squ	eeze

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING ML-22650 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. UNIT #891008900A 1. TYPE OF WELL 8. WELL NAME and NUMBER: GAS WELL 🔽 OIL WELL OTHER CIGE 9 2. NAME OF OPERATOR: 9. API NUMBER: 4304730419 KERR McGEE OIL & GAS ONSHORE LP 10. FIELD AND POOL, OR WILDCAT: 3. ADDRESS OF OPERATOR: PHONE NUMBER: **NATURAL BUTTES** 1368 SOUTH 1200 EAST STATE UT VERNAL <sub>210</sub> 84078 (435) 781-7024 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2090'FSL, 1852'FEL COUNTY: UINTAH 22E QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE .98 STATE: **UTAH** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE DEEPEN REPERFORATE CURRENT FORMATION NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start: CASING REPAIR **NEW CONSTRUCTION** TEMPORARILY ABANDON CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSAL (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER: CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLUG AND ABANDON ON 11/26/2007.

PLEASE REFER TO THE ATTACHE WELL BORE DIAGRAM WITH THE PLUG AND ABANDON PROCEDURE.

RECEIVED
DEC 1 4 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE	SENIOR LAND ADMIN SPECIALIST
SIGNATURE MILL MANUALON	DATE	11/30/2007

(This space for State use only)

		COMPAN	Y: ANADAR	КО			CASING	CASING	TUBING
			ME: CIGE 9			SIZE:	9-5/8"	4-1/2"	N/A
United the second			TURAL BU	TTES		WEIGHT:	36#	11.6#	11/11
		COUNTY:				GRADE:	K-55	N-80	
0.000 (0.00		STATE: 1		· · · · · · · · · · · · · · · · · · ·		THREAD:	1 33	1,00	
0.000.00.00	1	DATE: 11				DEPTH:	213'	7286'	ļ
			1			DEI III.	MAX. O.D.		LENGT
		ITEM		DI	ESCRIPTION	ON	INCHES	INCHES	FEET
Market Sales		PLUG 6	300' SURFA	CE PLUG	(193 sx 'G', 1	15.8#, 39.5 BBLS)			
			PERF HOLI	ES (4-SPF)	@ 300' AND	CIRCULATED TO			
1 1 11 11			SURFACE.	HAD 7 BB	LS GOOD C	MT RETURNED.			
		***************************************							
71 I F									
	6	PLUG 5				(10 sx 'G', 15.8#, 2			
	0		ON TOP OF	CIBP. TO	C 1095'				
1									
		PLUG 4				(10 sx 'G', 15.8#, 2	•		
		WTT-51811-74	ON TOP OF	CIBP. TO	C AT 3075'				
3.0	_	PLUG 3				CMT ON TOP AND			
	5					, 7 BBLS) TOC 3845'			
			INJ PERFS:						
					72' (4 SPF)				
					65' (4 SPF)				
				4208' - 421	18' (4 SPF)				
The state of the s									
ESTEROIDADE 4	4	PLUG 2				UMP BAILED ON			
	-		FILL TAGG	ED AT 441	14'. OK BY S	STATE HAND			
				***************************************					
	-	DI IIC 1	CICD CET A	T 40001 (N	AADOH 2004	E) XX/ 200 CX CN (T)			
16 (16 (16 (16 (16 (16 (16 (16 (16 (16 (	3	PLUG 1				5) W/ 200 SX CMT (WASATCH)			
	١					ESA VERDE)			
			SQUEEZES						
	_	~~~~	SQUEEZES	W/ 200 SA	CMI MAR	.CH 2003			
72.74.000	2								
	ŀ		TOC AT 54	2' ON 4 1/2	" ANNULU:	S DV CDI			
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-				(	C. F. W	INN WELL S	ERVIC	ES, INC	·

### Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

	ROUTING	
Chicago and design	1. DJJ	46,100
	2 CDW	1

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below		-19-02		1/6/200		
FROM: (Old Operator):		TO: (Now C	)maratar):	#1 O1 #UU		
N2115-Westport Oil & Gas Co., LP		<b>TO:</b> ( New 0 N2995-Kerr-1	_	Br Gas Onote	vea I D	
•					ne, lr	
1368 South 1200 East			South 1200			
Vernal, UT 84078			al, UT 84078	0		
Phone: 1-(435) 781-7024		Phone: 1-(435	5) 781-7024			
	CA No.	Unit:	1	1	T	
WELL NAME	SEC TWN RNO	GAPI NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
OPERATOR CHANGES DOCU	MENTATION					
Enter date after each listed item is comp	pleted					
1. (R649-8-10) Sundry or legal document	ntation was received from th	e FORMER of	perator on:	5/10/200	6	
2. (R649-8-10) Sundry or legal document	ntation was received from th	e NEW operato	or on:	5/10/200	6	
3. The new company was checked on the				s Database	on:	3/7/2006
4. Is the new operator registered in the S	<del>-</del>	Business Nun	_	1355743-01		
5a. (R649-9-2)Waste Management Plan h		- IN PLACE			_	
5b. Inspections of LA PA state/fee well s:		n/a	3 I A wel	اد & عال DA ب	wells transf	arred
_	=		_ 3 LA Wei	is & all I'A	Wens trainsi	Sileu
5c. Reports current for Production/Dispos	sition & Sunaries on:	<u>ok</u>	_			
<ol> <li>or operator change for all wells listed</li> <li>Federal and Indian Units:         <ul> <li>The BLM or BIA has approved the</li> </ul> </li> <li>Federal and Indian Community         <ul> <li>The BLM or BIA has approved the</li> </ul> </li> <li>Underground Injection Continject, for the enhanced/secondary re</li> </ol>	successor of unit operator for all wells listed trol ("UIC")  The I	or wells listed on "CA"): within a CA on: Division has app	roved UIC I		<u>.</u>	-
DATA ENTRY:						
1. Changes entered in the Oil and Gas I		12/15/2006				
2. Changes have been entered on the Mo			<b>:</b>	12/15/200	<u>6</u>	
3. Bond information entered in RBDMS		12/15/2006	<del></del>			
4. Fee/State wells attached to bond in Ri		12/16/2006	_			
5. Injection Projects to new operator in 1			n/a	Nama Cha	naa Onliv	
6. Receipt of Acceptance of Drilling Pro	ocedures for APD/New on:		n/a	Name Cha	nge Omy	
BOND VERIFICATION:		· · · · · · · · · · · · · · · · · · ·	· · <u>-</u>			
1. Federal well(s) covered by Bond Nun	nber:	CO1203				
2. Indian well(s) covered by Bond Numl		RLB0005239	<del>-</del>			
3. (R649-3-1) The <b>NEW</b> operator of any				RLB00052	36	
a. The <b>FORMER</b> operator has requested	a release of liability from the	neir bond on:	n/a	rider adde	ed KMG	
The Division sent response by letter on	-			_		
LEASE INTEREST OWNER NO						
4. (R649-2-10) The <b>FORMER</b> operator of their responsibility to notify all inte	of the fee wells has been con		rmed by a le 5/16/2006		e Division	· · · · · · · · · · · · · · · · · · ·
COMMENTS.			- 11		- <del> </del>	
COMMENTS:						

### Westport Oil Gas Co LP (N2115) to Kerr-Mcgee Oil Gas Onshore, LP (N2995) sorted by Unit, Lease Type API

well_name	sec	twsp	rng	api	entity	lease	well	stat
WELLINGTON FED 44-6 SWD	06	140S	110E	4300730912	13919	Federal	WD	A
WELLINGTON FED 22-04 SWD	04	140S	110E	4300730967	14826	Federal	WD	Α
SOUTHMAN CANYON U 3	15	100S	230E	4304715880	99990	Federal	WD	A
OURAY SWD 1	01	090S	210E	4304733449	13274	Fee	WD	Α
				NATURAL BU	ITES UNIT			
NBU 21-20B	20	090S	200E	4304730359	2900	Federal	WD	A
CIGE 9	36	090S	220E	4304730419	2900	State	WD	Α
NBU 159	35	090S	210E	4304731996	2900	State	WD	A
NBU 47N2	30	100S	220E	4304730534	2900	Federal	WI	A
NBU 347	11	100S	220E	4304733709	2900	State	WI	A

9/18/2006

#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT							
Well Name and Number Several-See Attached		API Number					
Location of Well		Field or Unit Name Natural Buttes					
Footage :  QQ, Section, Township, Range:	County : Uintah State : UTAH	Lease Designation and Number					

EFFECTIVE DATE OF TRANSFER: 1/6/2006

		N211	15		
Company:	Westport Oil and	d Gas Company	_ Name:	Carroll Estes	
\ddress:	1368 South 120	0 East	Signature:	aroll Elles	
	city Vernal	state UT zip 84078	_ Title:	Principal Environmental Specialist	
hone:	(435) 789-4433		Date:	12/14/2006	

IEW OPERA	,			
	N299	5		
Company:	Kerr McGee Oil and Gas Company, LP	Name:	Carroll Estes	
Address:	1368 South 1200 East	Signature	: Carroll Este	
	city Vernal state UT zip 84078	Title:	Staff Environmental Specialist	
Phone:	(435) 789-4433	Date:	12/14/2006	
Comments	·			
			en e	
			the second section of the second section is a second section of the second section of the second section is a second section of the second section sec	

(This space for State use only)

Transfer approved by

Approval Date: 12/20/06

Only applies to Wellington Fed 44-6 RECEIVED

and Wellington Fed 22-04. DEC 15 2006

All offer wells are in Indian Country DIV. OF OIL, GAS & MINING

and need EPA approval

(5/2000)

Form 3 160-5 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

7. If Unit or CA/Agreement, Name and/or No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLI	CATE – Other instruction	ons on reverse	side			
1. Type of Well	<u> </u>					_
Oil Well X Gas Well	Other			Well Name and		
2. Name of Operator		MUTIPLE WELLS				
KERR-McGEE OIL & GAS C				API Well No.		
3a. Address	3b.	•	<del></del>			_
1368 SOUTH 1200 EAST V		35) 781-7024	10.	Field and Pool	, or Exploratory Area	
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description)		11	. County or Pari	igh State	_
SEE ATTACHED		-		. County of Fair	sii, state	
SEE ATTACHED			U	NTAH COU	NTY, UTAH	
12. CHECK APPI	ROPRIATE BOX(ES) TO IND	ICATE NATURE (	OF NOTICE, REP	ORT, OR OTH	IER DATA	_
TYPE OF SUBMISSION		TYP	E OF ACTION			<del></del>
Notice of Intent	Acidize	Deepen Fracture Treat	Production (Sta	art/Resume)	Water Shut-Off Well Integrity	
X Subsequent Report	Alter Casing Casing Repair	New Construction	Recomplete	X	Other CHANGE OF	w.*
	Change Plans	Plug and Abandon	Temporarily A	bandon	OPERATOR	_
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposa	1	·	_
PLEASE BE ADVISED THAT OPERATOR OF THE ATTAC KERR-McGEE OIL & GAS CO OF THE LEASE(S) FOR THI IS PROVIDED BY STATE O  BLM BIA	nandomment Notices shall be filed on all inspection.  T KERR-McGEE OIL & GACHED WELL LOCATIONS ONSHORE LP, IS RESPOE OPERATIONS CONDU	AS ONSHORE L S. EFFECTIVE NSIBLE UNDEF CTED UPON LE OND NO. RLBO AF	LP, IS CONSID JANUARY 6, 20 R TERMS AND EASE LANDS. I DO5237. PPROVED Carline &	ERED TO B 006. CONDITION BOND COV	THE RECEIVER OF OIL, GAS	2006
14. I hereby certify that the foregoing	g is true and correct		ision of Oil, Ga			=
Name (Printed/Typed) RANDY BAYNE		Title Can DRILLING MAN	<b>ene Russell, E</b> r IAGER	igmeering 1	echnician	
Signature		Date May 9, 2006				
James 13 mgre		OR FEDERAL OR S	TATE USE		<del> </del>	=
Approved by		Title		Date	<del></del>	=
Conditions of approval, if any, are attached certify that the applicant holds legal or equi which would entitle the applicant to conduct	table title to those rights in the subject toperations thereon.	lease				_
Title 18 U.S.C. Section 1001, make false, fictitious or fraudulent statement				nent or agency	of the United States any	_

Form 3 160-5 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

BUREAU OF LAND MANAGEMENT

### SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or reenter an

MULTIPLE LEASES

5. Lease Serial No.

6.	If Indian, Allottee	or Tribe Name

abandoned well.	Use Form 3160-3 (APD)	for suc	ch proposals.	
SUBMIT IN TRIPL	ICATE – Other instruc	tions	on reverse side	7. If Unit or CA/Agreement, Name and/or No
1. Type of Well Oil Well X Gas Well	Other			8. Well Name and No.
2. Name of Operator				MUTIPLE WELLS
WESTPORT OIL & GAS CO	MPANY L.P.			9. API Well No.
3a. Address	•		one No. (include area code)	
1368 SOUTH 1200 EAST V		· <u> </u>	781-7024	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description	1)		
				11. County or Parish, State
SEE ATTACHED				UINTAH COUNTY, UTAH
12. CHECK APP	ROPRIATE BOX(ES) TO IN	NDICAT	TE NATURE OF NOTICE	, REPORT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	ON
Notice of Intent	Acidize Alter Casing	Dee Frac	pen Producti	on (Start/Resume) Water Shut-Off
Subsequent Report	Casing Repair Change Plans	New	Construction Recomp	<b>=</b>
Final Abandonment Notice	Convert to Injection	=	Back Water D	<u> </u>
testing has been completed. Final At determined that the site is ready for fin:	bandonment Notices shall be filed	s in a mi only aft	ittple completion or recompletic er all requirements, including re	in in a new interval, a Form 3160-4 shall be filed once clamation, have been completed, and the operator has
<b>EFFECTIVE JANUARY 6, 20</b>	006, WESTPORT OIL &	GAS	COMPANY L.P., HAS	RELINQUISHED
THE OPERATORSHIP OF T	THE ATTACHED WELL	LOCA	TIONS TO KERR-Mc	GEE OIL & GAS
ONSHORE LP.	Ca. Division	rlon of Oil	ED 5/6/06  Russell  Gas and Mining  Engineering Technic	MAY 1 0 2006
14. I hereby certify that the foregoing		· <u>-</u> -		DIV. OF OIL, GAS & MINING
Name (Printed/Typed)	5 10 4.40 4114 0011001	Title	<b>;</b>	
BRAD LANEY	·	ENG	SINEERING SPECIAL	IST
Signature		Date May	9, 2006	
	THIS SPACE	FOR F	DERAL OR STATE USE	
Approved by			Title	Date
Conditions of approval, if any, are attached certify that the applicant holds legal of equi	table title to those rights in the subj	arrant or ect lease	Office	5-9-06
which would entitle the applicant to conduct Title 18 U.S.C. Section 1001, make		vingly a	nd willfully to make to any o	lepartment or agency of the United States any

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



### **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT Colorado State Office 2850 Youngfield Street Lakewood, Colorado 80215-7076

CO922 (MM) 3106 COC017387 et. al.

March 23, 2006

### NOTICE

Kerr-McGee Oil & Gas Onshore L.P. 1999 Broadway, Suite 3700 Denver, CO 80202

Oil & Gas

### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell Martha L. Maxwell Land Law Examiner Fluid Minerals Adjudication

#### Attachment:

List of OG Leases to each of the following offices:
MMS MRM, MS 357B-1
WY, UT, NM/OK/TX, MT/ND, WY State Offices
CO Field Offices
Wyoming State Office
Rider #1 to Bond WY2357
Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



### **United States Department of the Interior**



BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

IN REPLY REFER TO: 3106 (UT-922)

March 27, 2006

### Memorandum

To:

Vernal Field Office

From:

Chief, Branch of Fluid Minerals

Subject:

Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of Fluid Minerals

#### Enclosure

Approval letter from BLM COSO (2 pp)

cc:

MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225

State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114

Teresa Thompson

Joe Incardine

Connie Seare

Dave Mascarenas

Susan Bauman

RECEIVED

MAR 2 8 2006

DIV. OF OIL, GAS & MINING

### Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

	ROUTING	
Chicago and design	1. DJJ	46,100
	2 CDW	1

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below		-19-02		1/6/200		
FROM: (Old Operator):		TO: (Now C	)maratar):	#1 O1 #UU		
N2115-Westport Oil & Gas Co., LP		<b>TO:</b> ( New 0 N2995-Kerr-1	_	Br Gas Onote	vea I D	
•					ne, lr	
1368 South 1200 East			South 1200			
Vernal, UT 84078			al, UT 84078	0		
Phone: 1-(435) 781-7024		Phone: 1-(435	5) 781-7024			
	CA No.	Unit:	1	1	T	
WELL NAME	SEC TWN RNO	GAPI NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
OPERATOR CHANGES DOCU	MENTATION					
Enter date after each listed item is comp	pleted					
1. (R649-8-10) Sundry or legal document	ntation was received from th	e FORMER of	perator on:	5/10/200	6	
2. (R649-8-10) Sundry or legal document	ntation was received from th	e NEW operato	or on:	5/10/200	6	
3. The new company was checked on the				s Database	on:	3/7/2006
4. Is the new operator registered in the S	<del>-</del>	Business Nun	_	1355743-01		
5a. (R649-9-2)Waste Management Plan h		- IN PLACE			_	
5b. Inspections of LA PA state/fee well s:		n/a	3 I A wel	اد & عال DA ب	wells transf	arred
_	=		_ 3 LA Wei	is & all I'A	Wens trainsi	Sileu
5c. Reports current for Production/Dispos	sition & Sunaries on:	<u>ok</u>	_			
<ol> <li>or operator change for all wells listed</li> <li>Federal and Indian Units:         <ul> <li>The BLM or BIA has approved the</li> </ul> </li> <li>Federal and Indian Community         <ul> <li>The BLM or BIA has approved the</li> </ul> </li> <li>Underground Injection Continject, for the enhanced/secondary re</li> </ol>	successor of unit operator for all wells listed trol ("UIC")  The I	or wells listed on "CA"): within a CA on: Division has app	roved UIC I		<u>.</u>	-
DATA ENTRY:						
1. Changes entered in the Oil and Gas I		12/15/2006				
2. Changes have been entered on the Mo			<b>:</b>	12/15/200	<u>6</u>	
3. Bond information entered in RBDMS		12/15/2006	<del></del>			
4. Fee/State wells attached to bond in Ri		12/16/2006	_			
5. Injection Projects to new operator in 1			n/a	Nama Cha	naa Onliv	
6. Receipt of Acceptance of Drilling Pro	ocedures for APD/New on:		n/a	Name Cha	nge Omy	
BOND VERIFICATION:		· · · · · · · · · · · · · · · · · · ·	· · <u>-</u>			
1. Federal well(s) covered by Bond Nun	nber:	CO1203				
2. Indian well(s) covered by Bond Numl		RLB0005239	<del>-</del>			
3. (R649-3-1) The <b>NEW</b> operator of any				RLB00052	36	
a. The <b>FORMER</b> operator has requested	a release of liability from the	neir bond on:	n/a	rider adde	ed KMG	
The Division sent response by letter on	-			_		
LEASE INTEREST OWNER NO						
4. (R649-2-10) The <b>FORMER</b> operator of their responsibility to notify all inte	of the fee wells has been con		rmed by a le 5/16/2006		e Division	· · · · · · · · · · · · · · · · · · ·
COMMENTS.			- 11		- <del> </del>	
COMMENTS:						

### Westport Oil Gas Co LP (N2115) to Kerr-Mcgee Oil Gas Onshore, LP (N2995) sorted by Unit, Lease Type API

well_name	sec	twsp	rng	api	entity	lease	well	stat
WELLINGTON FED 44-6 SWD	06	140S	110E	4300730912	13919	Federal	WD	A
WELLINGTON FED 22-04 SWD	04	140S	110E	4300730967	14826	Federal	WD	Α
SOUTHMAN CANYON U 3	15	100S	230E	4304715880	99990	Federal	WD	A
OURAY SWD 1	01	090S	210E	4304733449	13274	Fee	WD	Α
				NATURAL BU	ITES UNIT			
NBU 21-20B	20	090S	200E	4304730359	2900	Federal	WD	A
CIGE 9	36	090S	220E	4304730419	2900	State	WD	Α
NBU 159	35	090S	210E	4304731996	2900	State	WD	A
NBU 47N2	30	100S	220E	4304730534	2900	Federal	WI	A
NBU 347	11	100S	220E	4304733709	2900	State	WI	A

9/18/2006

#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT					
Well Name and Number Several-See Attached		API Number			
Location of Well		Field or Unit Name Natural Buttes			
Footage :  QQ, Section, Township, Range:	County : Uintah State : UTAH	Lease Designation and Number			

EFFECTIVE DATE OF TRANSFER: 1/6/2006

		N211	15	
Company:	Westport Oil and	d Gas Company	_ Name:	Carroll Estes
\ddress:	1368 South 120	0 East	Signature:	Carroll Elles
	city Vernal	state UT zip 84078	_ Title:	Principal Environmental Specialist
hone:	(435) 789-4433		Date:	12/14/2006

IEW OPERA	,		
	N299	5	
Company:	Kerr McGee Oil and Gas Company, LP	Name:	Carroll Estes
Address:	1368 South 1200 East	Signature	: Carroll Este
	city Vernal state UT zip 84078	Title:	Staff Environmental Specialist
Phone:	(435) 789-4433	Date:	12/14/2006
Comments	·		
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(This space for State use only)

Transfer approved by

Approval Date: 12/20/06

Only applies to Wellington Fed 44-6 RECEIVED

and Wellington Fed 22-04. DEC 15 2006

All offer wells are in Indian Country DIV. OF OIL, GAS & MINING

and need EPA approval

(5/2000)

Form 3 160-5 (August 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

7. If Unit or CA/Agreement, Name and/or No.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLI	CATE – Other instruction	ons on reverse	side			
1. Type of Well	<u> </u>					_
Oil Well X Gas Well	Other			Well Name and		
2. Name of Operator				UTIPLE V	WELLS	·
KERR-McGEE OIL & GAS C				API Well No.		
3a. Address	3b.	•	<del></del>			_
1368 SOUTH 1200 EAST V		35) 781-7024	10.	Field and Pool	, or Exploratory Area	
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description)		11	. County or Pari	igh State	_
SEE ATTACHED		-		. County of Fair	sii, state	
SEE ATTACHED			U	NTAH COU	NTY, UTAH	
12. CHECK APPI	ROPRIATE BOX(ES) TO IND	ICATE NATURE (	OF NOTICE, REP	ORT, OR OTH	IER DATA	_
TYPE OF SUBMISSION		TYP	E OF ACTION			<del></del>
Notice of Intent	Acidize	Deepen Fracture Treat	Production (Sta	art/Resume)	Water Shut-Off Well Integrity	
X Subsequent Report	Alter Casing Casing Repair	New Construction	Recomplete	X	Other CHANGE OF	w.*
	Change Plans	Plug and Abandon	Temporarily A	bandon	OPERATOR	_
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposa	1	·	_
PLEASE BE ADVISED THAT OPERATOR OF THE ATTAC KERR-McGEE OIL & GAS CO OF THE LEASE(S) FOR THI IS PROVIDED BY STATE O  BLM BIA	nandomment Notices shall be filed on all inspection.  T KERR-McGEE OIL & GACHED WELL LOCATIONS ONSHORE LP, IS RESPOE OPERATIONS CONDU	AS ONSHORE L S. EFFECTIVE NSIBLE UNDEF CTED UPON LE OND NO. RLBO AF	LP, IS CONSID JANUARY 6, 20 R TERMS AND EASE LANDS. I DO5237. PPROVED Carline &	ERED TO B 006. CONDITION BOND COV	THE RECEIVER OF OIL, GAS	2006
14. I hereby certify that the foregoing	g is true and correct		ision of Oil, Ga			=
Name (Printed/Typed) RANDY BAYNE		Title Can DRILLING MAN	<b>ene Russell, E</b> r IAGER	igmeering 1	echnician	
Signature		Date May 9, 2006				
James 13 mgre		OR FEDERAL OR S	TATE USE		<del> </del>	=
Approved by		Title		Date	<del></del>	=
Conditions of approval, if any, are attached certify that the applicant holds legal or equi which would entitle the applicant to conduct	table title to those rights in the subject toperations thereon.	lease				_
Title 18 U.S.C. Section 1001, make false, fictitious or fraudulent statement				nent or agency	of the United States any	_

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FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

BUREAU OF LAND MANAGEMENT

### SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or reenter an

MULTIPLE LEASES

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6.	If Indian, Allottee	or Tribe Name

abandoned well.	Use Form 3160-3 (APD)	for suc	ch proposals.	
SUBMIT IN TRIPL	ICATE – Other instruc	tions	on reverse side	7. If Unit or CA/Agreement, Name and/or No
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2. Name of Operator				MUTIPLE WELLS
WESTPORT OIL & GAS CO	MPANY L.P.			9. API Well No.
3a. Address	•		one No. (include area code)	
1368 SOUTH 1200 EAST V		· <u> </u>	781-7024	10. Field and Pool, or Exploratory Area
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SEE ATTACHED				UINTAH COUNTY, UTAH
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<b>EFFECTIVE JANUARY 6, 20</b>	006, WESTPORT OIL &	GAS	COMPANY L.P., HAS	RELINQUISHED
THE OPERATORSHIP OF T	THE ATTACHED WELL	LOCA	TIONS TO KERR-Mc	GEE OIL & GAS
ONSHORE LP.	Ca. Division	rlon of Oil	ED 5/6/06  Russell  Gas and Mining  Engineering Technic	MAY 1 0 2006
14. I hereby certify that the foregoing		· <u>-</u> -		DIV. OF OIL, GAS & MINING
Name (Printed/Typed)	5 10 4.40 4114 0011001	Title	<b>;</b>	
BRAD LANEY	·	ENG	SINEERING SPECIAL	IST
Signature		Date May	9, 2006	
	THIS SPACE	FOR F	DERAL OR STATE USE	
Approved by			Title	Date
Conditions of approval, if any, are attached certify that the applicant holds legal of equi	table title to those rights in the subj	arrant or ect lease	Office	5-9-06
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### **United States Department of the Interior**

BUREAU OF LAND MANAGEMENT Colorado State Office 2850 Youngfield Street Lakewood, Colorado 80215-7076

CO922 (MM) 3106 COC017387 et. al.

March 23, 2006

### NOTICE

Kerr-McGee Oil & Gas Onshore L.P. 1999 Broadway, Suite 3700 Denver, CO 80202

Oil & Gas

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Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell Martha L. Maxwell Land Law Examiner Fluid Minerals Adjudication

#### Attachment:

List of OG Leases to each of the following offices:
MMS MRM, MS 357B-1
WY, UT, NM/OK/TX, MT/ND, WY State Offices
CO Field Offices
Wyoming State Office
Rider #1 to Bond WY2357
Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



### **United States Department of the Interior**



BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

IN REPLY REFER TO: 3106 (UT-922)

March 27, 2006

### Memorandum

To:

Vernal Field Office

From:

Chief, Branch of Fluid Minerals

Subject:

Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of Fluid Minerals

#### Enclosure

Approval letter from BLM COSO (2 pp)

cc:

MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225

State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114

Teresa Thompson

Joe Incardine

Connie Seare

Dave Mascarenas

Susan Bauman

RECEIVED

MAR 2 8 2006

DIV. OF OIL, GAS & MINING

Sundry Number: 46885 API Well Number: 43047304190000

	FORM 9						
ı	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	G	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22650				
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
	posals to drill new wells, significantly dee reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES				
1. TYPE OF WELL Water Disposal Well			8. WELL NAME and NUMBER: CIGE 9				
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	NSHORE, L.P.		<b>9. API NUMBER:</b> 43047304190000				
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18tl	PH h Street, Suite 600, Denver, CO, 80217 37	<b>ONE NUMBER:</b> 79 720 929-6	9. FIELD and POOL or WILDCAT: 1NATUERAL BUTTES				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2090 FSL 1852 FEL			COUNTY: UINTAH				
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 36 Township: 09.0S Range: 22.0E Meridian	s	STATE: UTAH				
11. CHEC	K APPROPRIATE BOXES TO INDICATE N	NATURE OF NOTICE, REPOR	T, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION				
12/16/2009	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT							
Report Date:	│	SI TA STATUS EXTENSION	APD EXTENSION				
	WILDCAT WELL DETERMINATION	OTHER	OTHER: FINAL INSPECTION				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The CIGE 9 well site has met final reclamation, with a final inspection date of 12/16/2009, per the attached document from UDOGM.  Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 19, 2014							
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE  Pagulatory Apolyst II					
Doreen Green	435 781-9758	Regulatory Analyst II  DATE					
<b>SIGNATURE</b>   N/A		1/15/2014					

Company Name	API_WellNo	Well_Nm	Well_Typ	Surf_O wner	WI_Status	Final Inspection Date
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047391910000	NBU 636-12E	GW	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047304670000	NBU 65-25B	GW	S	PA	17-Nov-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047336410000	NBU 333	GW	S	PA	15-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047317290000	CIGE 97D	GW	S	PA	28-Sep-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328590000	NBU 301	GW	S	PA	25-Sep-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328860000	NBU 296	GW	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047320060000	NBU 160	GW	S	PA	23-Jun-93
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047311010000	NBU 71	D	S	PA	16-Dec-86
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047337050000	NBU 361	GW	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047312350000	NBU 83J	GW	S	PA	15-Apr-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047383320000	NBU 763-19E	GW	S	PA	27-Mar-13
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047305150000	NBU ST 2-36 G	GW	S	PA	01-Nov-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047306350000	CIGE 69-19-10- 21	GW	S	PA	18-Apr-01
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047342300000	NBU 390	GW	S	PA	29-Mar-11

Company Name	API_WellNo	Well_Nm	Well_Typ	Surf_O wner	WI_Status	Final Inspection Date
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047303060000	NBU 30	GW	S	PA	13-Jul-00
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047357880000	STATE 920-360	GW	S	PA	30-Mar-11
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047327960000	NBU 265	GW	S	PA	15-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328620000	NBU 270	GW	S	PA	03-Dec-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047312360000	NBU 82N4	GW	S	PA	19-Oct-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047302430000	CIGE 2-29-10-21	GW	S	PA	03-Nov-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047304930000	CIGE 24	GW	S	PA	05-Feb-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047347850000	NBU 440	GW	S	PA	31-Mar-11
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047305350000	NBU 24N2	GW	S	PA	07-Jul-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047359470000	NBU 1022-16C	GW	S	PA	27-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047335890000	KENNEDY WASH 16-1	GW	S	PA	29-May-07
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047302670000	NBU 3-2B	GW	S	PA	01-Apr-13
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047303070000	NBU 31	GW	S	PA	27-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047311620000	CIGE 92D	GW	S	PA	

Company Name	API_WellNo	Well_Nm	Well_Typ	Surf_O wner	_	Final Inspection Date
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328640000	CIGE 219	GW	S	PA	11-Feb-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047332100000	CIGE 245	GW	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328650000	NBU 280	GW	S	PA	30-Mar-11
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047317460000	CIGE 106D	GW	S	PA	15-Apr-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047319790000	CIGE 136	GW	S	PA	30-Dec-03
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047302270000	NBU 19	GW	S	PA	08-Sep-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328140000	MORGAN STATE 12-36	GW	S	PA	03-Dec-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047388440000	NBU 1021-2J	GW	S	PA	15-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047320070000	NBU 157	GW	S	PA	30-Mar-11
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047341580000	LELAND BENCH 35-22	D	Р	PA	23-Mar-06
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047308670000	NBU 57N	GW	S	PA	17-Dec-08
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047353440000	BONANZA 1023- 2M	D	S	PA	06-Jun-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047305740000	NBU 67-30B	GW	S	PA	13-May-94
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047322040000	NBU 318-36E	GW	S	PA	06-Jun-08

Company Name	API_WellNo	Well_Nm	Well_Typ	Surf_O wner	WI_Status	Final Inspection Date
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047305480000	NBU CIGE 59-21- 10-21	GW	S	PA	08-Sep-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047308890000	CIGE 51D	GW	S	PA	10-Apr-13
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047324990000	NBU 221	ow	S	PA	04-Oct-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047344220000	STATE 921-32P	GW	S	PA	03-Dec-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047376850000	NBU 555-18E	GW	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047344230000	STATE 920-36P	GW	S	PA	30-Mar-11
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328850000	CIGE 230	GW	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047337060000	NBU 359	GW	S	PA	04-Dec-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047359430000	NBU 1022-16H	GW	S	PA	27-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047305540000	NBU CIGE 65-19- 10-22	GW	S	PA	07-Jun-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047335970000	NBU SWD 2-16	D	S	PA	31-Oct-03
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047305040000	NBU 33Y	GW	S	PA	06-Oct-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047320240000	CIGE 148	GW	S	PA	22-Dec-08
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047342290000	NBU 389	GW	S	PA	19-Mar-12

Company Name	API_WellNo	Well_Nm	Well_Typ	Surf_O wner	WI_Status	Final Inspection Date
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047319780000	CIGE 133	GW	S	PA	31-Mar-11
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047310890000	NBU 68N2	GW	S	PA	07-Jan-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047304440000	NBU 64-24B	GW	S	PA	30-Aug-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047319140000	NBU 117	GW	S	PA	07-Jul-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047359490000	NBU 1022-16E	GW	S	PA	27-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047153820000	UTE TRAIL U ST 10	GW	S	PA	04-Oct-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047336760000	WONSITS STATE 3-32	GW	S	PA	10-Jun-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047302560000	NBU 22	GW	S	PA	07-Jul-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047362530000	LOVE 1121-16F	GW	S	PA	05-Apr-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047375330000	NBU 565-30E	GW	S	PA	27-Mar-13
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047319190000	CIGE 116	GW	S	PA	02-Jan-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047304910000	CIGE 43	GW	S	PA	06-Apr-11
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047332080000	CIGE 241	GW	S	PA	01-Jun-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047304190000	CIGE 9	WD	S	PA	16-Dec-09

Company Name	API_WellNo	Well_Nm	Well_Typ	Surf_O wner	WI_Status	Final Inspection Date
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047305360000	NBU 38N2	GW	S	PA	07-Jul-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047316460000	STIRRUP 32-1-J	ow	Р	PA	07-Feb-06
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047312320000	NBU 81V	GW	S	PA	15-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047344360000	CIGE 282	GW	S	PA	07-Jul-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328680000	CIGE 221	GW	S	PA	28-Jul-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047325160000	NBU 224	GW	S	PA	31-Mar-11
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047304350000	NBU 43-36B	GW	S	PA	23-May-94
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047404310000	NBU 1022-2B2S	D	S	PA	07-Jul-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047308780000	W WALKER ST 2- 32	D	S	PA	19-Aug-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047343750000	NBU 404	GW	S	PA	26-Jun-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047347930000	CIGE 285	GW	S	PA	15-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047308540000	CIGE 81D	GW	S	PA	11-Apr-07
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047153750000	UINTAH UNIT 1	WS	S	PA	03-Feb-88
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047303980000	NBU 27-A	GW	S	PA	01-Nov-05

Company Name	API_WellNo	Well_Nm	Well_Typ	Surf_O wner	WI_Status	Final Inspection Date
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047303050000	NBU 28	GW	S	PA	07-Jun-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328690000	CIGE 222	GW	S	PA	28-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047347880000	NBU 442	GW	S	PA	30-Mar-11
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328130000	MORGAN STATE 11-36	GW	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047304250000	CIGE 10	GW	S	PA	03-Apr-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047313270000	NBU 98V	GW	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328200000	WONSITS STATE 1-32	GW	S	PA	02-Apr-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047309090000	NBU 62N	GW	S	PA	29-May-07
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328840000	CIGE 220	GW	S	PA	11-Nov-08
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047320540000	NBU 167	GW	S	PA	03-Dec-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047309380000	CIGE 67A	GW	S	PA	02-Apr-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047320030000	NBU 154	GW	S	PA	14-Mar-11
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047304430000	NBU 61-25B	GW	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047319700000	CIGE 141-7-10- 22	GW	S	PA	18-Oct-05

Company Name	API_WellNo	Well_Nm	Well_Typ	Surf_O wner	WI_Status	Final Inspection Date
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047323240000	CIGE 173	GW	S	PA	03-Feb-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047308550000	NBU CIGE 85D- 29-10-21	GW	S	PA	03-Nov-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047308650000	NBU CIGE 83D-7- 10-22	GW	S	PA	21-Nov-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047343200000	NBU 413	GW	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047314890000	ARCHY BENCH STATE 1-2	GW	Р	PA	06-Apr-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047394750000	NBU 1022-13I4S	D	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047348630000	STATE 4-32	D	S	PA	02-Nov-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047305320000	CIGE 58	GW	S	PA	12-Mar-04
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047321640000	CIGE 162	GW	S	PA	28-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047307390000	CIGE 28	GW	S	PA	10-Sep-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047359450000	NBU 1022-160	GW	S	PA	27-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047322050000	NBU 343-36E	GW	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047351510000	NBU 1022-11I	D	S	PA	07-Jun-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047311030000	NBU 75N3	GW	S	PA	29-May-07

Company Name	API_WellNo	Well_Nm	Well_Typ	Surf_O wner		Final Inspection Date
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047337090000	NBU 347	WD	S	PA	
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328100000	MORGAN STATE 6-36	GW	S	PA	15-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047375340000	NBU 438-19E	GW	S	PA	27-Mar-13
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328800000	NBU 305	GW	S	PA	09-Jan-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047303040000	NBU 27	GW	S	PA	03-Aug-00
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047391940000	NBU 634-12E	D	S	PA	07-Jul-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047319750000	NBU 153	GW	S	PA	07-Jun-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047303950000	NBU 32-13B	GW	S	PA	06-Jun-05
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047320200000	CIGE 147-36-9- 22	GW	S	PA	01-Jun-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047343740000	NBU 395	GW	S	PA	14-Jan-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047319170000	NBU 109	GW	S	PA	15-Apr-10
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047328670000	NBU 282	GW	S	PA	26-Feb-09
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047385650000	NBU 922-31K-2T	D	S	PA	30-Mar-11
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047308770000	W WALKER ST 1- 32	GW	S	PA	19-Jul-05

Company Name	API_WellNo	Well_Nm	Well_Typ	Surf_O wner	WI_Status	Final Inspection Date
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047512050000	NBU 922-2911BS	D	S	PA	20-Mar-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047513900000	NBU 921- 35L4CS	GW	S	PA	03-Dec-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047513950000	NBU 921- 35N4BS	GW	S	PA	04-Feb-13
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047515200000	NBU 1021- 28A4BS	D	S	PA	03-Dec-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047515220000	NBU 1021- 28G4BS	D	S	PA	03-Dec-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047515230000	NBU 1021- 28H4BS	D	S	PA	03-Dec-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047515210000	NBU 1021- 28B4BS	D	S	PA	03-Dec-12
KERR-MCGEE OIL & GAS ONSHORE, L.P.	43047519590000	NBU 1022- 12N1BS	D	S	PA	